Liebert® SiteScan®
IGM Reference Document

Including Modbus and BACnet object Listings

Reference document is based on the assumption that the connecting module is of exec. 6 or exec. B firmware type unless otherwise noted.

EMERSON™
Network Power

Revision Level Updates:

Revision	Date	Description
B.5	11/8/00	Added: revision level update chart, HiPulse support, and NPower support
B.6	2/19/01	Revised NPower definition
B.7	4/4/02	Added support for HiMod LNA
B.8	5/3/02	Revised Modbus explanation (Hi Byte / Lo Byte)
B.9	10/1/02	Corrected NPower table (typing error)
B.10	1/22/03	Added support for DataMate
B.11	7/23/03	Added support for STS-2
B.12	4/19/04	Corrected ModBus register addressing for STS-2 alarms. PM2 – removed duplicate Output Voltage THD Alarm. Added XDP Unit. Added LDS5000 Unit. Added Universal Monitor. Added BACNet/IP for: WDU, MM4, SC4, PM2 & LAM. Added Run Hours for MM2
B.13	5/24/04	Removed non-existent alarms for MM2. Added BacNet/IP Point addresses for MM2.
B.14	8/19/2004	Track issue 3576 – Make BacNet points consistent with Modbus Points.
B.15	11/22/2004	Added ESP-2 based UPS Units that use OC485 card. Includes Nx, HiNet, PSI, and GXT
B.16	5/18/05	Added “High Water Humidifier Pan” alarm to L00. Corrected alarm points for BACNet and Modbus addressing on STS-2.
B.17	7/1/05	Added Remote shutdown alarm to LAM. Added Note about Alarms “BACNet auto discovery” to CCM, L00, LAM, MMS, PM2, PMP, SCC. Added note to STS2 that it is for units with or without PDU. Changed breaker status register for STS2 from bits1-8 to 0-7.
B.18	7/21/05	Added XDC Unit. Added control point note for units with on/off control as follows: Bit 0 on=unit off Bit 1 on=unit on. Removed cables 3 & 4 on LDS5000 and marked these registers as spares.
B.19	11/30/05	Corrected revision level and date in header on this document.
B.20	12/14/05	SMS – Added Scale factor for kVA & kW. Revised note on page 1 to state module type rather than “SS2000 Hardware”.
B.21	8/9/06	Series 610 UPS – added note that Series 610 is the same as series 600. SC4-SM4 changed “Bypass Breaker Closed” alarm from “Bypass Breaker Open”. Added note to LAM that iCOM w/native IGM also applies.
B.22	8/10/06	Nfinity UPS (pnf), Nx (pnx), STS-2 (st2) – deleted status and setpoint points that are not displayed in SiteScan. XDC, XDP added scale factor notes for Ref, Fluid and CW temps.
B.23	3/16/07	PMP – Local Alarm #1 was Load Alarm, Added Local Alarm #2, Corrected Modbus addressing from 40290:04 to 40290:07
B.24	4/16/07	AC8 – Added Unit tables to reference library
B.25	4/30/07	MM2 – Corrected entire table due to MS Word problems.
B.26	5/2/07	Corrected major MS Word formatting problems throughout document.
B.27	11/15/07	Added iCOM DS unit for 2mb modules (small version), SM3 corrected reversed Modbus addressing for kW & kVA. Noted that pages for Series 600 UPS also apply to series 610.
B.28	6/24/08	Added iCOM-XDP unit
B.29	7/11/08	Corrected alarm info for Npower (IMP) unit.
B.30	5/13/09	Corrected revision number in page header B.30 from B.9. Changed XDP unit description on page 53 from XD. Corrected miscellaneous document formatting errors. Added WDU definition back in document from accifental deletion.
B.31	10/13/09	Added local Alarms 2,3 &4 for MM2, L00 & LSM. Local alrm 3=High Water for MM2

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How to use the Reference Library Charts

This document contains a dedicated sheet for each Liebert Unit and associated controller. The title of each chart contains the name of the Liebert Controller used such as L00 for a Level-0 Air unit or PMP for a Power Monitoring Panel for Power Center.

The first section, Compatible Hardware, indicates the equipment associated with this particular controller as follows:

Liebert Units	Indicates the Environmental, Power, UPS or Monitoring Module by model name that uses this controller.
SiteScan Interface Modules	Indicates which SiteScan Hardware Modules can be used with the controller. Take Special note of this box when adding new units to an existing SiteScan system, as some new controllers are only compatible with the new hardware (SiteLink).
BMS interface Modules	Indicates which SiteScan Hardware Modules can be used with the controller for interfacing with a third part using BACnet or Modbus protocol.

The next section, Available Points, contains six categories providing the following information:

Status Points (View)	Status Information for the listed points that will be presented in SiteScan
Alarm Points	Alarms that are available to SiteScan
Setpoints (View)	Current settings of controllable Setpoints available to SiteScan
Control Points (Set)	Setpoints that can be changed with SiteScan
Trendable Points (Set)	Points that can be graphically trended within the SiteScan software
Reports	Reports that can be triggered within the SiteScan software

Liebert Unit ID Chart

3-Letter ID	Environmental Products	3-Letter ID	UPS Products
L00	Level 00, Level 1	SMS	Single Module Series UPS - S300, S500, S600 (Prior to 1/98)
L10	Level 2, Level 3, and Level 10	SM3	Single Module Series 30x (latest version)
LAM	Level 15 and Level AM/AG, HiMod (LNA), iCOM control w/ native IGM	SM4	Single Module Series 600/610 - Extended Protocol (1/98 or later)
LSM	Level SM and Level 0 w/ On/Off Control	US3	UPStation S3 UPS
L0B	Small Systems Controller	MMS	Multi Module Series 500-600 UPS (Prior to 1/98)
MM2	Small Systems Controller - Mini Mate II, DataMate	MM4	Multi Module Series 600/610 UPS - Extended Protocol (1/98 or later)
C10	Atlas Air Environmental Control (LECS15)	SCC	System Control Cabinet Series 500-600 (Prior to 1/98)
CSE	Chiller w/ Econocoil	SC4	System Control Cabinet Series 600/610- Extended Protocol (1/98 or later)
CSU	Chiller	SSM	Single Module Series UPS - SICE 7200 & HiPulse
XDP	Xtreme Density Unit Environmental Control	SMM	Multi Module Series UPS - SICE 7200 & HiPulse
CDU	Xtreme Density Coolant Distribution Unit	SSC	System Control Cabinet - SICE 7200
iCOM	DS Unit with iCOM control or Deluxe System 3 with iCOM control retrofit.		
	Static Switch PDU	IMP	NPower (S300 Replacement)
EDS	Static Switch PDU (Single Output Breaker, Prior to 1/99)	PNX	NX UPS – ESP2 Protocol
STS	Static Switch PDU (Dual Output Breaker Option, 1/99 or later)	PHN	HiNet UPS – ESP2 Protocol
	Miscellaneous	PNF	Nfinity UPS – ESP2 Protocol
CCM	All IGM Contact Modules CM200 / RCM8 / VSM	PGX	GXT UPS – ESP2 Protocol
RAC	Remote Autochangeover Module - RAC2-8	PPS	PSI UPS – ESP2 Protocol
THM	Temperature / Humidity Module		**Power Products PDU**
WDU	Liquid Detection LDS750 or LDS1000	PMP	Precision Power & Datawave w/ PMP (latest LCD display)
WD5	Liquid Detection LDS5000	VCF	All Voltage-Current-Frequency Panels (Old Red LED Display)
UVM	Universal Monitor	VCM	All Voltage-Current Monitoring Panels (Old Red LED Display)
AC8	Autochangeover Controller	PM2	Precision Power & Datawave w/ PMP (latest LCD display and extended protocol EPROM version 3.290.0, manufactured and shipped after 4/99)

Open Communications

Default Mapping for Modbus & BACnet Objects

This model represents the standard configuration for a Liebert Sitelink-12 module. Consecutive register / object mapping is utilized, regardless of the SiteLink-12 population. All ports that do not have a Liebert IGM attached will be assigned “null values” (or zero’s) for their corresponding registers. The default “slave ID” or “Device ID” follows the CMNet address of the unit. The address can be visually checked by looking at the address dip-switch or rotary switch settings. However, the address can be changed in software to suit specific needs.

How to use this table:

The unit or model specific reference sheets assume that the desired unit is attached to port 1 of the SiteLink module. If the desired unit is attached to a different port, the table below indicates the starting register or object number for the unit.

For example: The register for “temperature” for a L00 type unit attached to port 1 is identified as 40001. If an additional L00 type unit were attached to port 2, the “temperature” value would be located in register 40025. The same type unit attached to port 3 = 40049…etc.

Modbus Notes:

- Modbus Registers start at 40001.
- All registers are unsigned integers.

BACnet Notes:

- BACnet Objects start at 1.
- All “Status” and “Alarm” objects are “AI’s” (analog inputs).
- The “Control” objects are “AO’s” (analog outputs)

Register Offset	Object Type	Port Assignment
1-24	Status	1
25-48	Status	2
49-72	Status	3
73-96	Status	4
97-120	Status	5
121-144	Status	6
145-168	Status	7
169-192	Status	8
193-216	Status	9
217-240	Status	10
241-264	Status	11
265-288	Status	12
289-293	Alarms	1
294-298	Alarms	2
299-303	Alarms	3
304-308	Alarms	4
309-313	Alarms	5
314-318	Alarms	6
319-323	Alarms	7
324-328	Alarms	8
329-333	Alarms	9
334-338	Alarms	10
339-343	Alarms	11
344-348	Alarms	12
349-351	Control	1
352-354	Control	2
355-357	Control	3
358-360	Control	4
361-363	Control	5
364-366	Control	6
367-369	Control	7
370-372	Control	8
373-375	Control	9
376-378	Control	10
379-381	Control	11
382-384	Control	12

**** See reference libraries for unit specific objects.**

Implementation Basics

Protocol controls the language structure or message format between devices in other words, the rules for communication. The rules for communication include how master and slave devices initiate communications, as well as unit identification, message handling and error checking. Modbus protocol simply refers to the control of the query and response cycles between master and slave devices.

The SiteLink module is configured to act as a slave device on a common network. The common network can be point-to-point over EIA-232, where one master communicates to one slave device or in a multi-drop configuration over EIA-485, where multiple slaves reside on a common wire or loop.

Transmission Format

The SiteLink module supports both Modbus RTU (**R**emote **T**erminal **U**nit) and ASCII (**A**merican **S**tandard **C**ode for **I**nformation **I**nterchange) transmission modes. The SiteLink module has a choice of transmission medium, baud rate, character parity and number of stop bits. See chart below.

Physical Port	Transmission Mode	Baud Rate	Data Bits	Parity Bits	Stop Bits	Default
EIA-232 – DB9 DCE	RTU	9600	8	None	1	Yes
EIA-232 – DB9 DCE	ASCII	1200 – 38.4kbd (19.2kbd omit)	Configurable	Configurable	Configurable	No
EIA-485 – 2 or 4 wire	RTU or ASCII	1200 – 38.4kbd (19.2kbd omit)	Configurable	Configurable	Configurable	No

Modbus Packet Format

Each Modbus packet consists of the following fields:

- Device Address
- Function Code
- Data Field(s)
- Error Check Field

Device Address:

The address field immediately follows the beginning of the frame and consists of 8-bits (RTU) or 2 characters (ASCII). These bits indicate the user assigned address of the slave device that is to receive the message sent by the attached master device.

Each slave must be assigned a unique address and only the addressed slave will respond to a query that contains its address.

Function Code:

The function code field tells the addressed slaves what function to perform. Function codes are specifically designed invoke a specific action by the slave device. The function code range is from 1 to 127. However, the **SiteLink module primarily uses Function Code 3 (Read Holding Registers**), **Function Code 6 (Preset Single Register) and Function Code 16 (Preset Multiple Registers)**.

Data Field(s):

The data field varies in length depending on whether the message is a request or a response to a packet. This field typically contains information required by the slave device to perform the command specified or to pass back data to the master device.

Error Check Field:

The Error Check Field consists of a 16-bit (2 byte) Cyclical Redundancy Check (CRC16). It allows the receiving device to detect a packet that has been corrupted with transmission errors.

RTU Framing

The example below shows a typical Q/R from a SiteLink module. In common terms, the master device initiates a query asking **slave device 2** for **holding registers** starting at **holding register 40051** (decimal 50) and including next **2 Registers** (3 total).

Query Sample

Slave Address	Function Code	Starting Register "Hi Byte"	Starting Register "Lo Byte"	Number of Registers "Hi Byte"	Number of Registers "Lo Byte"	CRC16 "Hi Byte"	CRC16 "Lo Byte"
02	03	00	32	00	03	E5	FA

Response Sample

Slave Address	Function Code	Count: Bytes of Data	Register 40051 Data Hi Lo	Register 40052 Data Hi Lo	Register 40053 Data Hi Lo	CRC16 "Hi Byte	CRC16 "Lo Byte"
02	03	6	01 58	00 FA	00 54	1B	0D

Slave address 2 responds to Function Code 3 with 6 bytes of hexadecimal data and ends with CRC16 checksum.

Register values: 40051 = 158(hex) = 344(decimal)
40052 = FA (hex) = 250 (decimal)
40053 = 54 (hex) = 84 (decimal)

ASCII Framing:

Framing in ASCII transmission mode is accomplished by the use of the unique colon (:) to indicate the beginning of the frame and a carriage return (CR) line feed (LF) to delineate the end of the frame. The line feed also serves as a synchronizing character which indicates that the transmitting station is ready to receive an immediate reply.

ASCII Example

Frame Start	Slave Address	Function Code	Data	Error Check	End of Frame CR	Ready for Data LF	
:	2 Char 16-bits	2 Char 16-bits	N x 4 Char N x 16-bits	B3	0D	0A	

Char = Character: 1 Character = 7 data bits, 1 start bit, 1 or 2 stop bits and 1 parity bit (optional)

BACnet Communications

BACnet Protocol Implementation Conformance Statement **Rev. 2.1**

Vendor Name: Liebert Corporation

Product Name: SiteLink Module

Product Model Number: SiteLink-DC12i, SiteLink-DC4i, SiteLink-12, and SiteLink-4

Product Description:

The SiteLink module provides a BACnet Point-to-Point communication exchange between proprietary Liebert Environmental, Power, UPS units to other BACnet compliant devices. The connection to the SiteLink module is via EIA-232, 9600 baud, no parity, 8 data bits, 1 stop bit (9600,N,8,1 default.) The SiteLink modules are available in 12 port and 4 port configurations (i.e. 1 port per/ Liebert Unit, 12 Liebert units per/ SiteLink module maximum.)

BACnet Conformance Class Supported:

Class 1		Class 4	
Class 2		Class 5	
Class 3	**x**	Class 6	

BACnet Functional Groups Supported:

Clock		Files	
HHWS		Reinitialize	
PCWS		Virtual Operator Interface	
Event Initialization		Virtual Terminal	
Event Response		Device Communications	
COV Event Initiation		Time Master	
COV Event Response			

BACnet Standard Application Services Supported:

Application Service	Initiate Requests	Execute Requests
AcknowledgeAlarm		
ConfirmedCOVNotification		
ConfirmedEventNotification		
GetAlarmSummary		
GetEnrollmentSummary		
SubscribeCOV		
UnconfirmedCOVNotification		
UnconfirmedEventNotification		
AtomicReadFile		
AtomicWriteFile		
AddListElement		
RemoveListElement		
CreateObject		
DeleteObject		
ReadProperty	**X**	**X**
ReadPropertyConditional		
ReadPropertyMultiple		**X**
WriteProperty	**X**	**X**
WritePropertyMultiple		**X**
DeviceCommunicationControl		
ConfirmedPrivateTransfer		
UnconfirmedPrivateTransfer		
ReinitializeDevice		
ConfirmedTextMessage		
TimeSynchronization		
Who-Has		**X**
I-Have	**X**	
Who-Is		**X**
I-Am	**X**	
VT-Open		
VT-Closed		
VT-Data		
Authenticate		
Request Key		

BACnet Standard Application Services Supported (continued):

Object Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties	Writable Properties
Analog Input	**X**				**None**
Analog Output	**X**				**Present Value**
Analog Value					
Binary Input					
Binary Output					
Binary Value					
Calendar					
Command					
Device					
Event Enrollment					
File					
Group					
Loop					
Multi-State Input					
Multi-State Output					
Notification Class					
Program					
Schedule					

Data Link Layer:
Point-to-Point, EIA-232, baud rates: 9600 & 38,400

Character Set Supported:
ANSI X3.4

Special Functionality:

Segmented Requests Supported	**No**
Segmented Responses Supported	**No**
Router	**No**

Liebert Environmental Units

Air Unit - Level 0 – L00

Hardware Compatibility	
Liebert Units:	Challenger 3, Logicool, Modular Plus, LS400, Mini-Tower, System 4
SiteScan Interface Modules:	DC-1; DC4; DC12; SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Temperature	40001	1	BS01_x	
Humidity	40002	2	BS02_x	
Cooling	40003	3	BS03_x	1=on / 0=0ff
Heating	40004	4	BS04_x	1=on / 0=0ff
Humidification	40005	5	BS05_x	1=on / 0=0ff
Dehumidification	40006	6	BS06_x	1=on / 0=0ff
Econ-o-Cycle	40007	7	BS07_x	1=on / 0=0ff
Stages	40008	8	BS08_x	
% Capacity	40009	9	BS09_x	
Alarm Points				Discrete BACnet alarm objects available – use auto-discover for this unit
Communications	40289:0	289:0	BA01_x:00	
High Head Pressure 1	40289:1	289:1	BA01_x:01	
High Head Pressure 2	40289:2	289:2	BA01_x:02	
Loss of Airflow	40289:3	289:3	BA01_x:03	
Liquid Detected	40289:4	289:4	BA01_x:04	
Change Filters	40289:5	289:5	BA01_x:05	
High Temperature	40289:6	289:6	BA01_x:06	
Low Temperature	40289:7	289:7	BA01_x:07	
High Humidity	40289:8	289:8	BA01_x:08	
Low Humidity	40289:9	289:9	BA01_x:09	
Local Alarm 1	40289:10	289:10	BA01_x:10	
High Water Humidifier Pan	40289:11	289:11	BA01_x:11	
Local Alarm 2	40289:12	289:12	BA01_x:12	
Local Alarm 3	40289:13	289:13	BA01_x:13	
Local Alarm 4	40289:14	289:14	BA01_x:14	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Setpoints (View)				
Temperature Setpoint	40010	10	BS10_x	
Temperature Tolerance	40011	11	BS11_x	
Humidity Setpoint	40012	12	BS12_x	
Humidity Tolerance	40013	13	BS13_x	
Control Points (Set)				
Temperature Setpoint	40350	350	BC02_x	
Temperature Tolerance	40350	350	BC02_x	Multiply desired value by 1000
Humidity Setpoint	40351	351	BC03_x	
Humidity Tolerance	40351	351	BC03_x	Multiply desired value by 1000
Trendable points (Set)				
Temperature				
Humidity				
Reports				
Trend				
Status				

Air Unit – Level 10 – L10

Hardware Compatibility	
Liebert Units:	Modular Plus, Deluxe System/3, Industrial Cooling Series
SiteScan Interface Modules:	DC1, DC4, DC12, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Temperature	40001	1	BS01_x	
Humidity	40002	2	BS02_x	
Cooling	40003	3	BS03_x	1=on / 0=off
Heating	40004	4	BS04_x	1=on / 0=off
Humidification	40005	5	BS05_x	1=on / 0=off
Dehumidification	40006	6	BS06_x	1=on / 0=off
Econ-o-Cycle	40007	7	BS07_x	1=on / 0=off
Stages	40008	8	BS08_x	
% Capacity	40009	9	BS09_x	
Alarm Points				
Communications	40289:0	289:0	BA01_x:00	
High Head Pressure 1	40289:1	289:1	BA01_x:01	
High Head Pressure 2	40289:2	289:2	BA01_x:02	
Loss of Airflow	40289:3	289:3	BA01_x:03	
Standby Glycol Unit On	40289:4	289:4	BA01_x:04	
Liquid Detected	40289:5	289:5	BA01_x:05	
Change Filters	40289:6	289:6	BA01_x:06	
High Temperature	40289:7	289:7	BA01_x:07	
Low Temperature	40289:8	289:8	BA01_x:08	
High Humidity	40289:9	289:9	BA01_x:09	
Low Humidity	40289:10	289:10	BA01_x:10	
Humidifier Problem	40290:0	290:0	BA02_x:00	
No Water in Humidifier Pan	40290:1	290:1	BA02_x:01	
Compressor 1 Overload	40290:2	290:2	BA02_x:02	
Compressor 2 Overload	40290:3	290:3	BA02_x:03	
Main Fan Overload	40290:4	290:4	BA02_x:04	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Manual Override	40290:5	290:5	BA02_x:05	
Smoke Detected	40290:6	290:6	BA02_x:06	
Loss of Water	40290:7	290:7	BA02_x:07	
Standby Unit On	40290:8	290:8	BA02_x:08	
Low Suction	40290:9	290:9	BA02_x:09	
Short Cycle	40290:10	290:10	BA02_x:10	
Loss of Power	40291:0	291:0	BA03_x:00	
Inverter Bypass	40291:1	291:1	BA03_x:01	
Standby Fan On	40291:2	291:2	BA03_x:02	
Loss of Emergency Power	40291:3	291:3	BA03_x:03	
Local Alarm 1	40291:4	291:4	BA03_x:04	
Local Alarm 2	40291:5	291:5	BA04_x:05	
Setpoints (View)				
Temperature Setpoint	40010	10	BS10_x	
Temperature Tolerance	40011	11	BS11_x	
Humidity Setpoint	40012	12	BS12_x	
Humidity Tolerance	40013	13	BS13_x	
High Temperature Setpoint	40014	14	BS14_x	
Low Temperature Setpoint	40015	15	BS15_x	
High Humidity Setpoint	40016	16	BS16_x	
Low Humidity Setpoint	40017	17	BS17_x	
Auto-Restart Delay				
Control Points (Set)				
Temperature Setpoint	40350	350	BC02_x	
Temperature Tolerance	40350	350	BC02_x	Multiply desired value by 1000
Humidity Setpoint	40351	351	BC03_x	
Humidity Tolerance	40351	351	BC03_x	Multiply desired value by 1000
Trendable Points (Set)				
Temperature				
Humidity				
Reports				
Trend				
Status				

Air Unit – Standard Microprocessor – LSM

Hardware Compatibility	
Liebert Units:	Challenger 3000. Deluxe System / 3, ICS , System 4 (Replaces L0A control)
SiteScan Interface Modules:	DC-1; DC4-422; DC12-422; SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Temperature	40001	1	BS01_x	
Humidity	40002	2	BS02_x	
Cooling	40003	3	BS03_x	1=on / 0=off
Heating	40004	4	BS04_x	1=on / 0=off
Humidification	40005	5	BS05_x	1=on / 0=off
De-humidification	40006	6	BS06_x	1=on / 0=off
Econ-O-Cycle	40007	7	BS07_x	1=on / 0=off
Stages	40008	8	BS08_x	
% Capacity	40009	9	BS09_x	
Unit Status (On / Off)	40014	14	BS14_x	1=on / 0=off
Alarm Points				
Communications	40289:0	289:0	BA01_x:00	
Local Off	40289:1	289:1	BA01_x:01	
Remote Off	40289:2	289:2	BA01_x:02	
High Head Pressure 1	40289:3	289:3	BA01_x:03	
High Head Pressure 2	40289:4	289:4	BA01_x:04	
Loss of Airflow	40289:5	289:5	BA01_x:05	
Liquid Detected	40289:6	289:6	BA01_x:06	
Change Filters	40289:7	289:7	BA01_x:07	
High Temperature	40289:8	289:8	BA01_x:08	
Low Temperature	40289:9	289:9	BA01_x:09	
High Humidity	40289:10	289:10	BA01_x:10	
Low Humidity	40290:0	290:0	BA02_x:00	
Local Alarm 1	40290:1	290:1	BA02_x:01	
Local Alarm 2	40290:2	290:2	BA02_x:02	
Local Alarm 3	40290:3	290:3	BA02_x:03	
Local Alarm 4	40290:4	290:4	BA02_x:04	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Setpoints (View)				
Temperature Setpoint	40010	10	BS10_x	
Temperature Tolerance	40011	11	BS11_x	
Humidity Setpoint	40012	12	BS12_x	
Humidity Tolerance	40013	13	BS13_x	
Control Points (Set)				
Unit On / Off	40349	349	BC01_x	Bit 0 on=unit off Bit 1 on=unit on
Temperature Setpoint	40350	350	BC02_x	
Temperature Tolerance	40350	350	BC02_x	Multiply desired value by 1000
Humidity Setpoint	40351	351	BC03_x	
Humidity Tolerance	40351	351	BC03_x	Multiply desired value by 1000
Trendable Points (Set)				
Temperature				
Humidity				
Reports				
Trend				
Status				

Air Unit – Advanced Microprocessor – LAM

Hardware Compatibility	
Liebert Units:	Challenger 3000. Deluxe System / 3, ICS, System 4 (Replaces L15 & L1A) HiMod (LNA version) – iCOM control (Native IGM port)
SiteScan Interface Modules:	DC-1; DC4-422; DC12-422; SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Temperature	40001	1	BS01_x	
Humidity	40002	2	BS02_x	
Cooling	40003	3	BS03_x	1=on / 0=off
Heating	40004	4	BS04_x	1=on / 0=off
Humidification	40005	5	BS05_x	1=on / 0=off
De-humidification	40006	6	BS06_x	1=on / 0=off
Econ-O-Cycle	40007	7	BS07_x	1=on / 0=off
Stages	40008	8	BS08_x	
% Capacity	40009	9	BS09_x	
Unit Status (On / Off)	40018	18	BS18_x	1=on / 0=off
Alarm Points				Discrete BACnet alarm objects available – use auto-discover for this unit
Communications	40289:0	289:0	BA01_x:00	
Local Off	40289:1	289:1	BA01_x:01	
Remote Off	40289:2	289:2	BA01_x:02	
High Head Pressure 1	40289:3	289:3	BA01_x:03	
High Head Pressure 2	40289:4	289:4	BA01_x:04	
Loss of Airflow	40289:5	289:5	BA01_x:05	
Standby Glycol Unit On	40289:6	289:6	BA01_x:06	
Liquid Detected	40289:7	289:7	BA01_x:07	
Change Filters	40289:8	289:8	BA01_x:08	
High Temperature	40289:9	289:9	BA01_x:09	
Low Temperature	40289:10	289:10	BA01_x:10	
High Humidity	40290:0	290:0	BA02_x:00	
Low Humidity	40290:1	290:1	BA02_x:01	
Humidifier Problem	40290:2	290:2	BA02_x:02	
No Water in Humidifier Pan	40290:3	290:3	BA02_x:03	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Compressor 1 Overload	40290:4	290:4	BA02:04_x	
Compressor 2 Overload	40290:5	290:5	BA02:05_x	
Main Fan Overload	40290:6	290:6	BA02:06_x	
Manual Override	40290:7	290:7	BA02:07_x	
Smoke Detected	40290:8	290:8	BA02:08_x	
Loss of Water	40290:9	290:9	BA02:09_x	
Standby Unit On	40290:10	290:10	BA02:10_x	
Low Suction	40291:0	291:0	BA03:00_x	
Short Cycle	40291:1	291:1	BA03:01_x	
Loss of Power	40291:2	291:2	BA03:02_x	
Inverter on Bypass	40291:3	291:3	BA03:03_x	
Standby Fan On	40291:4	291:4	BA03:04_x	
Loss of Emergency Power	40291:5	291:5	BA03:05_x	
Local Alarm 1	40291:6	291:6	BA03:06_x	
Local Alarm 2	40291:7	291:7	BA03:07_x	
Off by Remote Shutdown	40291:8	291:9	BA03:08_x	
Runtimes (View)				Runtimes not available on iCOM control
Compressor 1 Run Hours	40019	19	BS19_x	
Compressor 2 Run Hours	40020	20	BS20_x	
Glycol Run Hours				
Fan Motor Run Hours	40021	21	BS21_x	
Humidifier Run Hours	40022	22	BS22_x	
Reheat 1 Run Hours				
Reheat 2 Run Hours				
Reheat 3 Run Hours				
Chilled Water Valve Run Hours				
Setpoints (View)				
Temperature Setpoint	40010	10	BS10_x	
Temperature Tolerance	40011	11	BS11_x	
Humidity Setpoint	40012	12	BS12_x	
Humidity Tolerance	40013	13	BS13_x	
High Temp Alarm Setpoint	40014	14	BS14_x	
Low Temp Alarm Setpoint	40015	15	BS15_x	
High Humd Alarm Setpoint	40016	16	BS16_x	
Low Humidity Alarm Setpoint	40017	17	BS17_x	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Control Points (Set)				
Unit On / Off	40349	349	BC01_x	Bit 0 on=unit off Bit 1 on=unit on
Temperature Setpoint	40350	350	BC02_x	
Temperature Tolerance	40350	350	BC02_x	Multiply desired value by 1000
Humidity Setpoint	40351	351	BC03_x	
Humidity Tolerance	40351	351	BC03_x	Multiply desired value by 1000
Reheat Lockout	40349	349	BC01_x	Bit 2 on=RH off Bit 3 on=RH on
Humidifier Lockout	40349	349	BC01_x	Bit 4 on=HL off Bit 5 on=HL on
Trendable Points (Set)				
Temperature				
Humidity				
Reports				
Trend				
Status				

Air Unit – Small Systems – L0B

Hardware Compatibility	
Liebert Units:	DataMate, Mini-Mate, Mini-Mate Plus
SiteScan Interface Modules:	DC-1; DC4; DC12; SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Temperature	40001	1	BS01_x	
Humidity	40002	2	BS02_x	
Cooling	40003	3	BS03_x	1=on / 0=0ff
Heating	40004	4	BS04_x	1=on / 0=0ff
Humidification	40005	5	BS05_x	1=on / 0=0ff
Dehumidification	40006	6	BS06_x	1=on / 0=0ff
Econ-o-Cycle	40007	7	BS07_x	1=on / 0=0ff
Stages	40008	8	BS08_x	
% Capacity	40009	9	BS09_x	
Unit On/Off	40011	11	BS11_x	1=on / 0=0ff
Alarm Points				
Communications	40289:0	289:0	BA01_x:00	
Local Off	40289:1	289:1	BA01_x:01	
Remote Off	40289:2	289:2	BA01_x:02	
High Temperature	40289:3	289:3	BA01_x:03	
Low Temperature	40289:4	289:4	BA01_x:04	
High Humidity	40289:5	289:5	BA01_x:05	
Low Humidity	40289:6	289:6	BA01_x:06	
Setpoints (View)				
None				
Control Points (Set)				
Remote On/Off	40349	349	BC01_x	Bit 0 on=unit off Bit 1 on=unit on

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Trendable Points (Set)				
Temperature				
Humidity				
Reports				
Trend				
Status				

Air Unit – Mini-Mate 2 – MM2, DataMate

Hardware Compatibility	
Liebert Units:	Mini-Mate 2, DataMate
SiteScan Interface Modules:	SiteLink
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Temperature	40001	1	BS01_x	
Humidity	40002	2	BS02_x	
Cooling	40003	3	BS03_x	1=on / 0=off
Heating	40004	4	BS04_x	1=on / 0=off
Humidification	40005	5	BS05_x	1=on / 0=off
Dehumidification	40006	6	BS06_x	1=on / 0=off
Econ-o-Cycle	40007	7	BS07_x	1=on / 0=off
Stages	40008	8	BS08_x	
% Capacity	40009	9	BS09_x	
Unit On/Off	40018	18	BS18_x	1=on / 0=off
Alarm Points				
Communications	40289:0	289:0	BA01_x:00	
Local Off	40289:1	289:1	BA01_x:01	
Remote Off	40289:2	289:2	BA01_x:02	
High Head Pressure 1	40289:3	289:3	BA01_x:03	
Loss of Airflow	40289:5	289:5	BA01_x:05	
Standby Glycol Unit On	40289:6	2896	BA01_x:06	
Change Filters	40289:7	289:7	BA01_x:07	
High Temperature	40289:8	289:8	BA01_x:08	
Low Temperature	40289:9	289:9	BA01_x:09	
High Humidity	40290:0	290:0	BA02_x:00	
Low Humidity	40290:1	290:1	BA02_x:01	
Humidifier Problem	40290:2	290:2	BA02_x:02	
Smoke Detected	40290:8	290:8	BA02_x:08	
Loss of Water Flow	40290:9	290:9	BA02_x:09	
Standby Unit On	40290:10	290:10	BA02_x:10	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Short Cycle	40291:1	291:1	BA03:01	
Loss of Power	40291:2	291:2	BA03:02	
Local Alarm 1	40291:6	291:6	BA03:06	
Local Alarm 2	40291:7	291:7	BA03:07	
High Water	40291:8	291:8	BA03:08	
Local Alarm 4	40291:9	291:9	BA03:09	
Run Hours (View)				
Compressor 1	40019	19	BS19_x	
Fan Motor	40020	20	BS20_x	
Humidifier	40021	21	BS21_x	
Reheat 1				
Reheat 2				
Reheat 3				
Chilled Water Valve				
Setpoints (View)				
Temperature	40010	10	BS10_x	
Temp Tolerance	40011	11	BS11_x	
Humidity	40012	12	BS12_x	
Humidity Tolerance	40013	13	BS13_x	
High Temperature Alarm	40014	14	BS14_x	
Low Temperature Alarm	40015	15	BS15_x	
High Humidity Alarm	40016	16	BS16_x	
Low Humidity Alarm	40017	17	BS17_x	
Control Points (Set)				
Remote On/Off	40349	349	BC01_x	Bit 0 on=unit off Bit 1 on=unit on
Temperature Setpoint	40350	350	BC02_x	
Temperature Tolerance	40350	350	BC02_x	Multiply desired value by 1000 (ModBus & BACNet 2.6 only) 0=No Change
Humidity Setpoint	40351	351	BC03_x	
Humidity Tolerance	40351	351	BC03_x	Multiply desired value by 1000 (ModBus & BACNet 2.6 only) 0=No Change
Trendable Points (Set)				
Temperature				
Humidity				
Reports				
Trend				
Status				

Air Unit – 8 Ton MiniMate – L8T

Hardware Compatibility	
Liebert Units:	MiniMate - 8 Ton only
SiteScan Interface Modules:	DC-1; DC4-422; SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Temperature	40001	1	BS01_x	
Humidity	40002	2	BS02_x	
Cooling	40003	3	BS03_x	1=on / 0=off
Heating	40004	4	BS04_x	1=on / 0=off
Humidification	40005	5	BS05_x	1=on / 0=off
De-humidification	40006	6	BS06_x	1=on / 0=off
Econ-O-Cycle	40007	7	BS07_x	1=on / 0=off
Stages	40008	8	BS08_x	
% Capacity	40009	9	BS09_x	
Unit Status (On / Off)	40018	18	BS18_x	1=on / 0=off
Alarm Points				
Communications	40289:0	289:0	BA01_x:00	
Local Off	40289:1	289:1	BA01_x:01	
Remote Off	40289:2	289:2	BA01_x:02	
High Head Pressure 1	40289:3	289:3	BA01_x:03	
High Head Pressure 2	40289:4	289:4	BA01_x:04	
Loss of Airflow	40289:5	289:5	BA01_x:05	
Standby Glycol Unit On	40289:6	289:6	BA01_x:06	
Not Used	40289:7	289:7	BA01_x:07	
Change Filters	40289:8	289:8	BA01_x:08	
High Temperature	40289:9	289:9	BA01_x:09	
Low Temperature	40289:10	289:10	BA01_x:10	
High Humidity	40290:0	290:0	BA02_x00	
Low Humidity	40290:1	290:1	BA02_x01	
Humidifier Problem	40290:2	290:2	BA02_x02	
Not Used	40290:3	290:3	BA02_x03	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Not Used	40290:4	290:4		
Not Used	40290:5	290:5		
Not Used	40290:6	290:6		
Not Used	40290:7	290:7		
Smoke Detected	40290:8	290:8	BA02_x:08	
Loss of Water	40290:9	290:9	BA02_x:09	
Standby Unit On	40290:10	290:10	BA02_x:10	
Not Used	40291:0	291:0	BA03_x:00	
Short Cycle	40291:1	291:1	BA03_x:01	
Loss of Power	40291:2	291:2	BA03_x:02	
Not Used	40291:3	291:3	BA03_x:03	
Not Used	40291:4	291:4	BA03_x:04	
Not Used	40291:5	291:5	BA03_x:05	
Local Alarm 1	40291:6	291:6	BA03_x:06	
Local Alarm 2	40291:7	291:7	BA03_x:07	
Run Times (View)				
Compressor 1 Run Hours	40019	19	BS19_x	
Compressor 2 Run Hours	40020	20	BS20_x	
Glycol Run Hours				
Fan Motor Run Hours	40021	21	BS21_x	
Humidifier Run Hours	40022	22	BS22_x	
Reheat 1 Run Hours				
Reheat 2 Run Hours				
Reheat 3 Run Hours				
Chilled H2O Valve Run Hours				
Setpoints (View)				
Temperature Setpoint	40010	10	BS10_x	
Temperature Tolerance	40011	11	BS11_x	
Humidity Setpoint	40012	12	BS12_x	
Humidity Tolerance	40013	13	BS13_x	
High Temperature Alarm Setpoint	40014	14	BS14_x	
Low Temp Alarm Setpoint	40015	15	BS15_x	
High Humidity Alarm Setpoint	40016	16	BS16_x	
Low Humidity Alarm Setpoint	40017	17	BS17_x	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Control Points (Set)				
Unit On / Off	40349	349	BC01_x	Bit 0 on=unit off Bit 1 on=unit on
Temperature Setpoint	40350	350	BC02_x	
Temperature Tolerance	40350	350	BC02_x	Multiply desired value by 1000
Humidity Setpoint	40351	351	BC03_x	
Humidity Tolerance	40351	351	BC03_x	Multiply desired value by 1000
Reheat Lockout	40349	349	BC01_x	Bit 2 on=RH off Bit 3 on=RH on
Humidifier Lockout	40349	349	BC01_x	Bit 4 on=HL off Bit 5 on=HL on
Trendable Points (Set)				
Temperature				
Humidity				
Reports				
Trend				
Status				

Atlas Air Unit – C10

Hardware Compatibility	
Liebert Units:	Atlas Air; LECS 15
SiteScan Interface Modules:	DC-1; DC4-422; DC12-422; SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Unit Number	40001	1	BS01_x	
Average Return Air Temp.	40002	2	BS02_x	
Average Return Air Humidity	40003	3	BS03_x	
Average Supply Air Temp.	40004	4	BS04_x	
Average Supply Air Humidity	40005	5	BS05_x	
Activation Mode	40006	6	BS06_x	
Fan Status	40007	7	BS07_x	
Cool 1 Status	40008	8	BS08_x	
Cool 2 Status	40009	9	BS09_x	
Heat 1 Status	40010	10	BS10_x	
Heat 2 Status	40011	11	BS11_x	
Humidifier Status	40012	12	BS12_x	
De-humidifier Status	40013	13	BS13_x	
Cooling Capacity	40014	14	BS14_x	
Heating Capacity	40015	15	BS15_x	
Active Operation (Days)				
Active Operation (Hours)				
Cool Mode (Days)				
Cool Mode (Hours)				
Heat Mode (Days)				
Heat Mode (Hours)				
Humidifier Mode (Days)				
Humidifier Mode (Hours)				
De-humidifier Mode (Days)				
De-humidifier Mode (Hours)				
Cool 1 Operating Mode (Days)				
Cool 1 Operating Mode (Hours)				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Cool 2 Operating Mode (Days)				
Cool 2 Operating Mode (Hours)				
Fan Operation (Days)				
Fan Operation (Hours)				
Heat 1Operating Mode (Days)				
Heat 1Operating Mode (Hours)				
Heat 2 Operating Mode (Days)				
Heat 2 Operating Mode (Hours)				
Humidify Operating Mode (Days)				
Humidity Operating Mode (Hours)				
Cool Service (Days)				
Cool Service (Hours)				
Filter Service (Days)				
Filter Service (Hours)				
Humidifier Service (Days)				
Humidifier Service (Hours)				
Temperature Control Status	40019	19	BS19_x	
Battery Voltage Level	40020	20	BS20_x	
Remote Shutdown Status	40021	21	BS21_x	
General Alarm Status	40022	22	BS22_x	
Audible Alarm Status	40023	23	BS23_x	
Temperature Control Select	40024	24	BS24_x	
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Faulty Sensor	40289:01	289:01	BA01_x:01	
High Temperature	40289:02	289:02	BA01_x:02	
Low Temperature	40289:03	289:03	BA01_x:03	
High Humidity	40289:04	289:04	BA01_x:04	
Low Humidity	40289:05	289:05	BA01_x:05	
Loss of Airflow	40289:06	289:06	BA01_x:06	
Water Under Floor	40289:07	289:07	BA01_x:07	
Cool 1 Low Pressure Alarm	40289:08	289:08	BA01_x:08	
Cool 2 Low Pressure Alarm	40289:09	289:09	BA01_x:09	
Cool 1 High Pressure Alarm	40289:10	289:10	BA01_x:10	
Cool 2 High Pressure Alarm	40290:00	290:00	BA02_x:00	
Cool Service	40290:01	290:01	BA02_x:01	
Humidifier Service	40290:02	290:02	BA02_x:02	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Filter Service	40290:3	290:3	BA02_x:03	
Humidity Low Level	40290:4	290:4	BA02_x:04	
Battery Level Low	40290:5	290:5	BA02_x:05	
Loss of Power	40290:6	290:6	BA02_x:06	
Spare 1	40290:7	290:7	BA02_x:07	
Spare 2	40290:8	290:8	BA02_x:08	
Setpoints (View)				
Unit Status (On / Off)				
Return Air Temperature	40016	16	BS16_x	
Return Air Humidity	40017	17	BS17_x	
Supply Air Temperature	40018	18	BS18_x	
High Temperature Alarm				
Low Temperature Alarm				
High Humidity Alarm				
Low Humidity Alarm				
Start up Delay				
Control Points (Set)				
Unit Status (On / Off)				
Return Air Temperature	40349	349	BC01_x	
Return Air Humidity	40350	350	BC02_x	
Supply Air Temperature	40351	351	BC03_x	
High Temperature Alarm				
Low Temperature Alarm				
High Humidity Alarm				
Low Humidity Alarm				
Start up Delay				
Trendable Points (Set)				
Average Return Air Temp.				
Average Return Air Humidity				
Average Supply Air Temp.				
Average Supply Air Humidity				
Reports				
Trend				
Status				

Chiller Unit – CSU3000 – CSU

Hardware Compatibility	
Liebert Units:	Chiller CSU-3000
SiteScan Interface Modules:	DC-1; DC4-422; DC12-422; SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Number of Modules	40001	1	BS01_x	
Module 1 Start	40002	2	BS02_x	1=START / 0=STOP
Module 1 Pump	40003	3	BS03_x	1=ON / 0=OFF
Module 1 Cool	40004	4	BS04_x	1=ON / 0=OFF
Module 2 Start	40005	5	BS05_x	
Module 2 Pump	40006	6	BS06_x	1=ON / 0=OFF
Module 2 Cool	40007	7	BS07_x	1=ON / 0=OFF
Module 3 Start	40008	8	BS08_x	1=START / 0=STOP
Module 3 Pump	40009	9	BS09_x	1=ON / 0=OFF
Module 3 Cool	40010	10	BS10_x	1=ON / 0=OFF
Alarm Points				
Communications	40289:0	289:0	BA01_x:00	
Mod 1 High Head Pressure	40289:1	289:1	BA01_x:01	
Mod 2 High Head Pressure	40289:2	289:2	BA01_x:02	
Mod 3 High Head Pressure	40289:3	289:3	BA01_x:03	
Module 1 No Water Flow	40289:4	289:4	BA01_x:04	
Module 2 No Water Flow	40289:5	289:5	BA01_x:05	
Module 3 No Water Flow	40289:6	289:6	BA01_x:06	
Module 1 High Water Temp.	40289:7	289:7	BA01_x:07	
Module 2 High Water Temp.	40289:8	289:8	BA01_x:08	
Module 3 High Water Temp.	40289:9	289:9	BA01_x:09	
Module 1 Low Water Temp.	40289:10	289:10	BA01_x:10	
Module 2 Low Water Temp.	40290:0	290:0	BA02_x:00	
Module 3 Low Water Temp.	40290:1	290:1	BA02_x:01	
Module 1 No Power	40290:2	290:2	BA02_x:02	
Module 2 No Power	40290:3	290:3	BA02_x:03	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Module 3 No Power	40290:4	290:4	BA02_x:04	
Module 1 Liquid Detected	40290:5	290:5	BA02_x:05	
Module 2 Liquid Detected	40290:6	290:6	BA02_x:06	
Module 3 Liquid Detected	40290:7	290:7	BA02_x:07	
Local Alarm 1	40290:8	290:8	BA02_x:08	
Local Alarm 2	40290:9	290:9	BA02_x:09	
Setpoints (View)				
None				
Control Points (Set)				
None				
Trendable Points (Set)				
None				
Reports				
Status				

Chiller Unit – CSU 3000 w/Econo – CSE

Hardware Compatibility	
Liebert Units:	Chiller CSU-3000
SiteScan Interface Modules:	DC-1; DC4-422; SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
System Econ-o-Cycle	40001	1	BS01_x	1=ON / 0=OFF
Number of Modules	40002	2	BS02_x	
Module 1 Start	40003	3	BS03_x	1=START / 0=STOP
Module 1 Pump	40004	4	BS04_x	1=ON / 0=OFF
Module 1 Cool	40005	5	BS05_x	1=ON / 0=OFF
Module 2 Start	40006	6	BS06_x	1=START / 0=STOP
Module 2 Pump	40007	7	BS07_x	1=ON / 0=OFF
Module 2 Cool	40008	8	BS08_x	1=ON / 0=OFF
Module 3 Start	40009	9	BS09_x	1=START / 0=STOP
Module 3 Pump	40010	10	BS10_x	1=ON / 0=OFF
Module 3 Cool	40011	11	BS11_x	1=ON / 0=OFF
Module 1 Econ-o-Cycle	40012	12	BS12_x	1=ON / 0=OFF
Module 2 Econ-o-Cycle	40013	13	BS13_x	1=ON / 0=OFF
Module 3 Econ-o-Cycle	40014	14	BS14_x	1=ON / 0=OFF
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Mod 1 High Head Pressure	40289:01	289:01	BA01_x:01	
Mod 2 High Head Pressure	40289:02	289:02	BA01_x:02	
Mod 3 High Head Pressure	40289:03	289:03	BA01_x:03	
Module 1 No Water Flow	40289:04	289:04	BA01_x:04	
Module 2 No Water Flow	40289:05	289:05	BA01_x:05	
Module 3 No Water Flow	40289:06	289:06	BA01_x:06	
Module 1 High Water Temp.	40289:07	289:07	BA01_x:07	
Module 2 High Water Temp.	40289:08	289:08	BA01_x:08	
Module 3 High Water Temp.	40289:09	289:09	BA01_x:09	
Module 1 Low Water Temp.	40289:10	289:10	BA01_x:10	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Module 2 Low Water Temp.	40290:0	290:0	BA02_x:00	
Module 3 Low Water Temp.	40290:1	290:1	BA02_x:01	
Module 1 No Power	40290:2	290:2	BA02_x:02	
Module 2 No Power	40290:3	290:3	BA02_x:03	
Module 3 No Power	40290:4	290:4	BA02_x:04	
Setpoints (Set)				
None				
Control Points (Set)				
None				
Trendable Points (Set)				
None				
Reports				
Status				

Air Unit - Hiross Microface

Hardware Compatibility	
Liebert Units:	Liebert Hiross Microface
SiteScan Interface Modules:	SiteLink (All)
BMS interface Modules:	Liebert Hiross Hirolink

Available Points

SiteScan Availability	Modbus Register	BACnet Instance	Notes:
Status Points (View)			
Unit On Off			
Heater Working Hours			
Humidifier Working Hours			
Compressor 1 Working Hours			
Conditioner Working Hours			
Low Humidity Warning			
High Humidity Warning			
Low Temperature Warning			
High Temperature Warning			
Humidity Proportional Band			
Temperature Proportional Band			
Room Humidity Setpoint			
Room Temperature Setpoint 1			
Compressor 2 Working Hours			
Free-cooling Working Hours			
Cooling Ramp			
Status Dehumidification			
Status Electrical Heater 2			
Status Electrical Heater 1			
Status Compressor 1			
Humidifier Current			
Room Humidity			
Room Temperature			
Status Compressor 2			
Free-cooling Status			

SiteScan Availability	Modbus Register	BACnet Instance	Notes:
Alarm Points			
Smoke Alarm			
No Power (User Input)			
Power On (User Input)			
User Input 2 Triggered			
User Input 2 Triggered			
No Connection To Unit 1			
Compressor 1 Motor Protection			
Compressor 2 Motor Protection			
Fire Alarm			
Out Of Memory			
Condenser 1 Fan Failure			
Condenser 2 Fan Failure			
Network Ping			
Subgroup-Id Not Unique			
Subgroup-Unit 1 Not Connected			
Subgroup-Unit 2 Not Connected			
Share Rm. Sensor Failure Warn			
Share Rm. Sensor Failure Alarm			
Share Outdoor Temp Sensor			
Share Glycol Temp Sensor			
Unit Synch (Short Reset)			
Humidifier High Temperature			
Humidifier Overflow			
Setpoints (View)			
Room Temperature Setpoint 1			
Temperature Proportional Band			
Room Humidity Setpoint			
Humidity Proportional Band			
High Temperature Alarm Setpoint			
Low Temp Alarm Setpoint			
High Humidity Alarm Setpoint			
Low Humidity Alarm Setpoint			

SiteScan Availability	Modbus Register	BACnet Instance	Notes:
Control Points (Set)			
Unit On/Off			
Humidity Proportional Band			
Temperature Proportional Band			
Room Humidity Setpoint			
Room Temperature Setpoint			
Trendable Points (Set)			
Temperature			
Humidity			
Reports			
Trend			
Status			

Air Unit – X-Treme Density Coolant Distribution Unit– CDU

Hardware Compatibility	
Liebert Units:	X-Treme Density Coolant Distribution Unit
SiteScan Interface Modules:	SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Valve % Open	40001	1	BS01_x	
Pump 1 Status	40002	2	BS02_x	1=On / 0=Off
Pump 2 Status	40003	3	BS03_x	1=On / 0=Off
Fluid Level	40004	4	BS04_x	
Fluid Temperature	40005	5	BS05_x	
Stop Valve	40006	6	BS06_x	1=On / 0=Off
Purge Valve	40007	7	BS07_x	43=C / 46=F
FMS Disable	40008	8	BS08_x	
Rate Of Change	40009	9	BS09_x	
Local Temp	40010	10	BS10_x	
Local Humidity	40011	11	BS11_x	
Local Dewpoint	40012	12	BS12_x	
Remote Temp	40013	13	BS13_x	
Remote Humidity	40014	14	BS14_x	
Remote Dewpoint	40015	15	BS15_x	
Unit Status	40016	16	BS16_x	
Alarm Points				
Communications	40289:00	289:0	BA01_x:00	
Local Off	40289:01	289:1	BA01_x:01	
Remote Off	40289:02	289:2	BA01_x:02	
Loss Of Flow P1	40289:03	289:3	BA01_x:03	
Loss Of Flow P2	40289:04	289:4	BA01_x:04	
Pump Short Cycle	40289:05	289:5	BA01_x:05	
Spare 5	40289:06	289:6	BA01_x:06	
Leak Detected	40289:07	289:7	BA01_x:07	
Valve Failure	40289:08	289:8	BA01_x:08	
Customer Alarm 1	40289:09	289:9	BA01_x:09	
Fan Fail	40289:10	289:10	BA01_x:10	
High Fluid Temp	40290:00	290:0	BA02_x:00	
Low Fluid Temp	40290:01	290:1	BA02_x:01	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Fluid Sensor Problem	40290:02	290:2	BA02_x:02	
High Remote Temp	40290:03	290:3	BA02_x:03	
Low Remote Temp	40290:04	290:4	BA02_x:04	
Remote Sensor Problem	40290:05	290:5	BA02_x:05	
High Local Temp	40290:06	290:6	BA02_x:06	
Low Local Temp	40290:07	290:7	BA02_x:07	
Local Sensor Problem	40290:08	290:8	BA02_x:08	
Low Pressure	40290:09	290:9	BA02_x:09	
High Fluid Level	40290:10	290:10	BA02_x:10	
Low Fluid Level	40291:00	291:0	BA03_x:00	
Low Low Level	40291:01	291:1	BA03_x:01	
Fluid Level ROC	40291:02	291:2	BA03_x:02	
System Purge P1	40291:03	291:3	BA03_x:03	
Emergency Purge	40291:04	291:4	BA03_x:04	
FMS Power Loss	40291:05	291:5	BA03_x:05	
Loss Of Power	40291:06	291:6	BA03_x:06	
Setpoints (View)				
Temperature Setpoint	40017	17	BS17_x	
High Fluid Temp Setpoint	40018	18	BS18_x	
Temp Scale				
High Air Temp	40019	19	BS19_x	
Low Air Temp	40020	20	BS20_x	
Dewpoint Margin	40021	21	BS21_x	
Restart Delay	40022	22	BS22_x	
Control Points (Set)				
Unit On / Off	40349	49	BC01_x	
Temperature Setpoint	40350	50	BC02_x	
Dewpoint Margin	40351	51	BC03_x	
Trendable Points (Set)				
Temperature				
Humidity				
Dewpoint				
Reports				
Trend				
Status				

Air Unit – X-Treme Density Coolant Pumping Unit– XDP

Hardware Compatibility	
Liebert Units:	X-Treme Density Coolant Pumping Unit
SiteScan Interface Modules:	SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Valve % Open	40001	1	BS01_x	
Pump 1 Status	40002	2	BS02_x	1=On / 0=Off
Pump 2 Status	40003	3	BS03_x	1=On / 0=Off
Fluid Temperature	40004	4	BS04_x	Divide by 10 for correct value
Chilled Water Temperature	40005	5	BS05_x	Divide by 10 for correct value
Unit Status	40006	6	BS06_x	1=On / 0=Off
Scale F or C	40007	7	BS07_x	43=C / 46=F
Local Temperature	40008	8	BS08_x	
Local Humidity	40009	9	BS09_x	
Local Dewpoint	40010	10	BS10_x	
Remote Temperature	40011	11	BS11_x	
Remote Humidity	40012	12	BS12_x	
Remote Dewpoint	40013	13	BS13_x	
Alarm Points				
Communications	40289:00	289:0	BA01_x:00	
Local Off	40289:01	289:1	BA01_x:01	
Remote Off	40289:02	289:2	BA01_x:02	
Loss Of Flow P1	40289:03	289:3	BA01_x:03	
Loss Of Flow P2	40289:04	289:4	BA01_x:04	
Pump Short Cycle	40289:05	289:5	BA01_x:05	
Condensation	40289:06	289:6	BA01_x:06	
Refrigerant Leak	40289:07	289:7	BA01_x:07	
Valve Failure	40289:08	289:8	BA01_x:08	
Customer Alarm 1	40289:09	289:9	BA01_x:09	
Fan Failure Alarm	40289:10	289:10	BA01_x:10	
High Chilled Water Temp	40290:00	290:0	BA02_x:00	
Low Chilled Water Temp	40290:01	290:1	BA02_x:01	
Failed Chilled Water Sensor	40290:02	290:2	BA02_x:02	
High Remote Temp	40290:03	290:3	BA02_x:03	
Low Remote Temp	40290:04	290:4	BA02_x:04	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Remote Sensor Problem	40290:05	290:5	BA02_x:05	
High Local Temp	40290:06	290:6	BA02_x:06	
Low Local Temp	40290:07	290:7	BA02_x:07	
Local Sensor Problem	40290:08	290:8	BA02_x:08	
Low Pressure	40290:09	290:9	BA02_x:09	
High Refrigerant Temp	40290:10	290:10	BA02_x:10	
Low Refrigerant Temp	40291:00	291:0	BA03_x:00	
Failed Refrigerant Sensor	40291:01	291:1	BA03_x:01	
Loss Of Power	40291:02	291:2	BA03_x:02	
Setpoints (View)				
Temperature Setpoint	40014	14	BS14_x	
Temperature Scale				
High Chilled Water Temp	40015	15	BS15_x	
High Air Temp	40016	16	BS16_x	
Low Air Temp	40017	17	BS17_x	
Dewpoint Margin	40018	18	BS18_x	
Restart Delay	40019	19	BS19_x	
Control Points (Set)				
Unit On / Off	40349	49	BC01_x	
Temperature Setpoint	40350	50	BC02_x	
Dewpoint Margin	40351	51	BC03_x	
Trendable Points (Set)				
Temperature				
Humidity				
Dewpoint				
Reports				
Trend				
Status				

Air Unit – X-Treme Density Chiller Unit– XDC

Hardware Compatibility	
Liebert Units:	X-Treme Density Chiller Unit
SiteScan Interface Modules:	SiteLink-12, SiteLink-4
BMS interface Modules:	SiteLink-12, SiteLink-4

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Pump 1 Status	40001	N/A	BS01_x	1=On / 0=Off
Pump 2 Status	40002	N/A	BS02_x	1=On / 0=Off
Cooling %	40003	N/A	BS03_x	
Compressor 1A status	40004	N/A	BS04_x	1=On / 0=Off
Compressor 1B status	40005	N/A	BS05_x	1=On / 0=Off
HG Valve1 %	40006	N/A	BS06_x	
Compressor 2A status	40007	N/A	BS07_x	1=On / 0=Off
Compressor 2B status	40008	N/A	BS08_x	1=On / 0=Off
HG Valve2 %	40009	N/A	BS09_x	
Refer Temp 1	40010	N/A	BS10_x	Divide by 10 for correct value
Refer Temp 2	40011	N/A	BS11_x	Divide by 10 for correct value
CW Temp	40012	N/A	BS12_x	Divide by 10 for correct value
Unit Status	40013	N/A	BS13_x	1=On / 0=Off
Scale F or C	40014	N/A	BS14_x	43=C / 46=F
Local Temp	40015	N/A	BS15_x	
Local Humidity	40016	N/A	BS16_x	
Local Dew Point	40017	N/A	BS17_x	
Remote Temp	40018	N/A	BS18_x	
Remote Humidity	40019	N/A	BS19_x	
Remote Dew Point	40020	N/A	BS20_x	
Alarm Points				
Communications	40289:00	N/A	BA01_x:00	
Local Off	40289:01	N/A	BA01_x:01	
Remote Off	40289:02	N/A	BA01_x:02	
Loss Of Flow Pump 1	40289:03	N/A	BA01_x:03	
Loss Of Flow Pump 2	40289:04	N/A	BA01_x:04	
Pump Short Cycle	40289:05	N/A	BA01_x:05	
Customer Alarm 1	40289:06	N/A	BA01_x:06	
Condensation	40289:07	N/A	BA01_x:07	
Fan Failure Alarm	40289:08	N/A	BA01_x:08	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points (cont.)				
High Local Temperature	40289:09	N/A	BA01_x:09	
Low Local Temperature	40289:10	N/A	BA01_x:10	
Local Sensor Problem	40290:00	N/A	BA02_x:00	
High Remote Temperature	40290:01	N/A	BA02_x:01	
Low Remote Temperature	40290:02	N/A	BA02_x:02	
Remote Sensor Problem	40290:03	N/A	BA02_x:03	
High Dewpoint	40290:04	N/A	BA02_x:04	
High Head Compressor 1a	40290:05	N/A	BA02_x:05	
High Head Compressor 1b	40290:06	N/A	BA02_x:06	
High Head Compressor 2a	40290:07	N/A	BA02_x:07	
High Head Compressor 2b	40290:08	N/A	BA02_x:08	
Low Suction P Tandem 1	40290:09	N/A	BA02_x:09	
Low Suction P Tandem 2	40290:10	N/A	BA02_x:10	
Short Cycle Compressor 1a	40291:00	N/A	BA03_x:00	
Short Cycle Compressor 1b	40291:01	N/A	BA03_x:01	
Short Cycle Compressor 2a	40291:02	N/A	BA03_x:02	
Short Cycle Compressor 2b	40291:03	N/A	BA03_x:03	
High Refrigerant Temp 1	40291:04	N/A	BA03_x:04	
Low Refrigerant Temp 1	40291:05	N/A	BA03_x:05	
Failed Refrigerant Sensor 1	40291:06	N/A	BA03_x:06	
High Refrigerant Temp 2	40291:07	N/A	BA03_x:07	
Low Refrigerant Temp 2	40291:08	N/A	BA03_x:08	
Failed Refrigerant Sensor 2	40291:09	N/A	BA03_x:09	
High Chilled Water Temp	40291:10	N/A	BA03_x:10	
Low Chilled Water Temp	40292:00	N/A	BA03_x:00	
Failed Chilled Water Sensor	40292:01	N/A	BA03_x:01	
Valve Failure	40292:02	N/A	BA03_x:02	
Loss Of Power	40292:03	N/A	BA03_x:03	
Setpoints (View)				
Temp Setpoint	40021	N/A	BS21_x	
High Temp Setpoint	40022	N/A	BS22_x	
Low Temp Setpoint	40023	N/A	BS23_x	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Control Points (Set)				
Unit On / Off	40349	N/A	BC01_x	
Temperature Setpoint	40350	N/A	BC02_x	
Dewpoint Margin	-	N/A	-	
Trendable Points				
Temperature				
Humidity				
Dewpoint				
Reports				
Trend				

Air Unit – iCOM DS & Retrofit (2mb version SiteLink)

Hardware Compatibility	
Liebert Units:	iCOM DS controls and retrofit
SiteScan Interface Modules:	SiteLink-12, SiteLink-4, SiteLink-E
BMS interface Modules:	SiteLink-12, SiteLink-4, SiteLink-E

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Unit On/Off Status	40001		BS01	
Unit Standy Status	40002		BS02	
Control Mode (Auto, Manual)				
Control Reason				
Fan Status				
Cooling Status	40003		BS03	
Freecooling Status				
Hot Water State				
Electric Heater State	40004		BS04	
Humidifier State	40005		BS05	
De-humidifier State	40006		BS06	
Audible Alarm State				
Cooling Ramp	40007		BS07	
Heating Ramp	40008		BS08	
Return Temp	40009		BS09	
Return Humidity	40010		BS10	
Run Hours (View)				
Conditioner Run Hrs.	40011		BS11	
Comp 1 Run Hrs.	40012		BS12	
Comp 2 Run Hrs.	40013		BS13	
Humidifier Run Hrs.	40014		BS14	
Reheat 1 Run Hrs.				
Reheat 2 Run Hrs.				
Reheat 3 Run Hrs.				
Setpoints (View)				
Front Display Temp Scale				
Humidifier Lockout Status	40015		BS15	
Reheat Lockout Status	40016		BS16	
Temperature Setpoint	40017		BS17	
Temp Proportional Band	40018		BS18	
Temp Deadband				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Setpoints (View)				
Humidity Setpoint	40019		BS19	
Humd Proportional Band	40020		BS20	
Humd Deadband				
Autorestart Delay				
IR Humidifier Flush Rate				
High Temperature Alarm	40021		BS21	
Low Temperature Alarm	40022		BS22	
High Humidity Alarm	40023		BS23	
Low Humidity Alarm	40024		BS24	
Setpoints (Set)				
Temperature Setpoint	40350		BC02_1	
Temp Proportional Band	40350		BC02_2	Scale by 1000 (e.g. 2=2000 Modbus Only)
Temp Deadband				
Humidity Setpoint	40351		BC03_1	
Humd Proportional Band	40351		BC03_2	Scale by 1000 (e.g. 5=5000 Modbus Only)
Humd Deadband				
Autorestart Delay				
IR Humidifier Flush Rate				
High Temperature Alarm				
Low Temperature Alarm				
High Humidity Alarm				
Low Humidity Alarm				
Commands (Set)				
Unit On/Off	40349:0,1		BC01_1	Bit pair 0,1;1=off, 2=on (Modbus Only)
Humidifier Lockout	40349:2,3		BC01_2	Bit pair 2,3; 1=normal, 2=lckout (Modbus Only)
Reheat Lockout	40349:4,5		BC01_3	Bit pair 4,5; 1=normal, 2=lckout (Modbus Only)
Alarms				Discrete BACnet alarm objects available –use auto-discover for this unit
Loss Of Comm	40289:0		BA01_x:0	
Main Fan Overload	40289:1		BA01_x:1	
Loss of Airflow	40289:2		BA01_x:2	
Loss of Water Flow	40289:3		BA01_x:3	
Compressor 1 High Pressure	40289:4		BA01_x:4	
Compressor 1 Overload	40289:5		BA01_x:5	
Compressor 2 High Pressure	40289:6		BA01_x:6	
Compressor 2 Overload	40289:7		BA01_x:7	
Smoke Detected	40289:8		BA01_x:8	
Water Detected	40289:9		BA01_x:9	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarms (cont.)				
Humidifier Problem	40289:10		BA01_x:10	
Standby Unit On	40290:0		BA02_X:0	
High Room Temp	40290:1		BA02_X:1	
Low Room Temp	40290:2		BA02_X:2	
High Room Humidity	40290:3		BA02_X:3	
Low Room Humidity	40290:4		BA02_X:4	
User Alarm #1	40290:5		BA02_X:5	
User Alarm #2	40290:6		BA02_X:6	
Unit On	40290:7		BA02_X:7	
Unit Off	40290:8		BA02_X:8	
Trends				
Return Temperature				
Return Humidity				

Air Unit – XDP Refrigerant Pumping Unit – XDP W/ iCOM Control

Hardware Compatibility	
Liebert Units:	XDP Unit w/ iCOM Control
SiteScan Interface Modules:	SiteLink-4, SiteLink-12, SiteLink-E (Exec. B Modules)

SiteScan Availability	Modbus Register	BACnet Instance	Notes:
Status Points (View)			
Valve % Open	40001	BS01_x	
Pump 1 Status	40002	BS02_x	1=On / 0=Off
Pump 2 Status	40003	BS03_x	1=On / 0=Off
Supply Temperature	40004	BS04_x	Divide by 10 for correct value
Chilled Water Temperature	40005	BS05_x	Divide by 10 for correct value
Unit Status	40006	BS06_x	Off:1=Rmt, 3=Lcl, 4=Restart, 5=Epo; On=2
Scale F or C	40007	BS07_x	43=C / 46=F
Sensor A Temperature	40008	BS08_x	
Sensor A Humidity	40009	BS09_x	
Sensor A Dewpoint	40010	BS10_x	
Sensor B Temperature	40011	BS11_x	
Sensor B Humidity	40012	BS12_x	
Sensor B Dewpoint	40013	BS13_x	
Run Hours (View)			
Pump 1 Run Hours	40014	BS14_x	
Pump 2 Run Hours	40015	BS15_x	
Setpoints (View)			
Temperature Setpoint	40016	BS16_x	
High Temp Alarm Setpoint	40017	BS17_x	
Low Temp Alarm Setpoint	40018	BS18_x	
Dewpoint Alarm Setpoint	40019	BS19_x	
Refrigerant Temp Alarm Setpoint	40020	BS20_x	
Chilled Water Temp Alarm Setpoint	40021	BS21_x	
Dewpoint Margin Setpoint	40022	BS22_x	
Temperature Scale F or C			0=F 1=C
Auto-restart Delay Setpoint	40023	BS23_x	
Unit Status			1=On / 0=Off
Maintenance Mode Status	40024	BS24_x	On=All alarms disabled
Setpoints (Set)			
Temperature Setpoint	40350	BC02_x	
High Temp Alarm Setpoint			
Low Temp Alarm Setpoint			
Dewpoint Alarm Setpoint	40351	BC02_x	

SiteScan Availability	Modbus Register	BACnet Instance	Notes:
Setpoints (Set)			
Refrigerant Temp Alarm Setpoint			
Chilled Water Temp Alarm Setpoint			
Temperature Scale F or C			
Auto-restart Delay			
Unit Run	40349	BC01_x	
Alarms (View)			
Loss Of Comm	40289:0	BA01_x:0	
Loss Of Flow Pump 1	40289:1	BA01_x:1	
Loss Of Flow Pump 2	40289:2	BA01_x:2	
Fan Failure	40289:3	BA01_x:3	
Condensation Alarm	40289:4	BA01_x:4	
Customer Alarm	40289:5	BA01_x:5	
High Chilled Water Temp	40289:6	BA01_x:6	
Chilled Water Sensor Fail	40289:7	BA01_x:7	
High Refrigerant Temp	40289:8	BA01_x:8	
Low Refrigerant Temp	40289:9	BA01_x:9	
Refrigerant Sensor Fail	40289:10	BA01_x:10	
High Temp Sensor A	40289:11	BA01_x:11	
Low Temp Sensor A	40289:12	BA01_x:12	
Sensor A Fail	40289:13	BA01_x:13	
High Temp Sensor B	40289:14	BA01_x:14	
Low Temp Sensor B	40289:15	BA01_x:15	
Sensor B Fail	40290:0	BA02_x:0	
High Dewpoint	40290:1	BA02_x:1	
Pump Short Cycle	40290:2	BA02_x:2	
Control Valve Fail	40290:3	BA02_x:3	
Loss Of Power	40290:4	BA02_x4	
Trends (View)			
Valve % Open			
Refrigerant Supply Temp			
Chilled Water Temp			
Sensor A Temp			
Sensor A Humidity			
Sensor A Dewpoint			
Sensor B Temp			
Sensor B Humidity			
Sensor B Dewpoint			

Liebert Power Units

Power Unit – Voltage- Current Monitoring Panel – VCM

Hardware Compatibility	
Liebert Units:	Datawave, Precision Power Center
SiteScan Interface Modules:	DC1, DC4, DC12, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Voltage Out X-Y	40001	1	BS01_x	
Voltage Out Y-Z	40002	2	BS02_x	
Voltage Out Z-X	40003	3	BS03_x	
Voltage Out X-N	40004	4	BS04_x	
Voltage Out Y-N	40005	5	BS05_x	
Voltage Out Z-N	40006	6	BS06_x	
Current Out A	40007	7	BS07_x	
Current Out B	40008	8	BS08_x	
Current Out C	40009	9	BS09_x	
Ground Current	40010	10	BS10_x	
Neutral Current	40011	11	BS11_x	
KVA	40012	12	BS12_x	
Alarm Points				
Communications	40289:0	289:0	BA01_x:00	
Output Undervoltage	40289:1	289:1	BA01_x:05	
Output Overvoltage	40289:2	289:2	BA01_x:06	
Transformer Overtemp	40289:3	289:3	BA01_x:07	
Local Alarm #1	40289:4	289:4	BA01_x:08	
Local Alarm #2	40289:5	289:5	BA01_x:09	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Trendable Points (Set)				
Voltage Out X-Y				
Voltage Out Y-Z				
Voltage Out Z-X				
Voltage Out X-N				
Voltage Out Y-N				
Voltage Out Z-N				
Current Out A				
Current Out B				
Current Out C				
Ground Current				
Neutral Current				
kVA				
Reports				
Trend				
Status				

Power Unit – Power Monitoring Panel – PMP

Hardware Compatibility	
Liebert Units:	Datawave, Precision Power Center
SiteScan Interface Modules:	DC1, DC4, DC12, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Voltage In A-B	40001	1	BS01_x	
Voltage In B-C	40002	2	BS02_x	
Voltage In C-A	40003	3	BS03_x	
Voltage Out A-B	40004	4	BS04_x	
Voltage Out B-C	40005	5	BS05_x	
Voltage Out C-A	40006	6	BS06_x	
Voltage Out A-N	40007	7	BS07_x	
Voltage Out B-N	40008	8	BS08_x	
Voltage Out C-N	40009	9	BS09_x	
Current Out A	40010	10	BS10_x	
Current Out B	40011	11	BS11_x	
Current Out C	40012	12	BS12_x	
Ground Current	40013	13	BS13_x	Divide by 10 for correct value
Neutral Current	40014	14	BS14_x	
KVA	40015	15	BS15_x	
KW	40016	16	BS16_x	
Frequency	40017	17	BS17_x	Divide by 10 for correct value
% Capacity A	40018	18	BS18_x	
% Capacity B	40019	19	BS19_x	
% Capacity C	40020	20	BS20_x	
Alarm Points				Discrete BACnet alarm objects available –use auto-discover for this unit
Communications	40289:00	289:00	BA01_x:00	
Output Undervoltage	40289:01	289:01	BA01_x:01	
Output Overvoltage	40289:02	289:02	BA01_x:02	
Output Overcurrent	40289:03	289:03	BA01_x:03	
Frequency Deviation	40289:04	289:04	BA01_x:04	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Ground Overcurrent	40289:05	289:05	BA01_x:05	
Transformer Overtemp	40289:06	289:06	BA01_x:06	
Ground Fault	40289:07	289:07	BA01_x:07	
Ground Failure	40289:08	289:08	BA01_x:08	
Liquid Detected	40289:09	289:09	BA01_x:09	
Security Alarm	40289:10	289:10	BA01_x:10	
Phase Rotation/Loss	40290:00	290:00	BA02_x:00	
Datawave Overtemperature	40290:01	290:01	BA02_x:01	
Emergency Shutdown	40290:02	290:02	BA02_x:02	
Load On Bypass	40290:03	290:03	BA02_x:03	
Local Alarm #1	40290:04	290:04	BA02_x:04	
Local Alarm #2	40290:05	290:05	BA02_x:05	
Custom Alarm #1	40290:06	290:06	BA02_x:06	
Custom Alarm #2	40290:07	290:07	BA02_x:07	
Setpoints (View)				
None				
Control Points (Set)				
None				
Trendable Points (Set)				
Voltage In A-B				
Voltage In B-C				
Voltage In C-A				
Voltage Out A-B				
Voltage Out B-C				
Voltage Out C-A				
Voltage In A-N				
Voltage In B-N				
Voltage In C-N				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Trendable Points (Set)				
Current Out A				
Current Out B				
Current Out C				
% Capacity A				
% Capacity B				
% Capacity C				
Ground Current				
Neutral Current				
KW				
KVA				
Reports				
Trend				
Status				

Power Unit – Voltage-Current-Freq. Monitor Panel – VCF

Hardware Compatibility	
Liebert Units:	MPU4000, Datawave, Precision Power Center
SiteScan Interface Modules:	DC1, DC4, DC12, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Voltage Out X-Y	40001	1	BS01_x	
Voltage Out Y-Z	40002	2	BS02_x	
Voltage Out Z-X	40003	3	BS03_x	
Voltage Out X-N	40004	4	BS04_x	
Voltage Out Y-N	40005	5	BS05_x	
Voltage Out Z-N	40006	6	BS06_x	
Current Out A	40007	7	BS07_x	
Current Out B	40008	8	BS08_x	
Current Out C	40009	9	BS09_x	
Ground Current	40010	10	BS10_x	
Neutral Current	40011	11	BS11_x	
KVA	40012	12	BS12_x	
Frequency	40013	13	BS13_x	Divide by 10 for correct value
Alarm Points				
Communications	40289:0	289:0	BA01_x:00	
Output Undervoltage	40289:1	289:1	BA01_x:01	
Output Overvoltage	40289:2	289:2	BA01_x:02	
Transformer Overtemp	40289:3	289:3	BA01_x:03	
Local Alarm #1	40289:4	289:4	BA01_x:04	
Local Alarm #2	40289:5	289:5	BA01_x:05	
Setpoints (View)				
None				
Control Points (Set)				
None				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Trendable Points (Set)				
Voltage Out X-Y				
Voltage Out Y-Z				
Voltage Out Z-X				
Voltage Out X-N				
Voltage Out Y-N				
Voltage Out Z-N				
Current Out A				
Current Out B				
Current Out C				
Ground Current				
Neutral Current				
kVA				
Reports				
Trend				
Status				

Power Unit – Power Monitoring Panel (Ext. Protocol– PM2)

Hardware Compatibility	
Liebert Units:	Datawave, Precision Power Center
SiteScan Interface Modules:	DC1, DC4, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Voltage In X-Y	40001	1	BS01_x	
Voltage In Y-Z	40002	2	BS02_x	
Voltage In Z-X	40003	3	BS03_x	
Voltage Out A-B	40004	4	BS04_x	
Voltage Out B-C	40005	5	BS05_x	
Voltage Out C-A	40006	6	BS06_x	
Voltage Out A-N	40007	7	BS07_x	
Voltage Out B-N	40008	8	BS08_x	
Voltage Out C-N	40009	9	BS09_x	
Current Out A	40010	10	BS10_x	
Current Out B	40011	11	BS11_x	
Current Out C	40012	12	BS12_x	
Ground Current	40013	13	BS13_x	Divide by 10 for correct value
Neutral Current	40014	14	BS14_x	
KVA	40015	15	BS15_x	
KW	40016	16	BS16_x	
Frequency	40017	17	BS17_X	Divide by 10 for correct value
% Capacity A	40018	18	BS18_x	
% Capacity B	40019	19	BS19_x	
% Capacity C	40020	20	BS20_x	
Power Factor	40021	21	BS21_x	Divide by 100 for correct value
Kilowatt Hours				
THD Voltage X				
THD Voltage Y				
THD Voltage Z				
THD Current X				
THD Current Y				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
THD Current Z				
K Factor Current X				
K Factor Current Y				
K Factor Current Z				
CREST Factor Current X				
CREST Factor Current Y				
CREST Factor Current Z				
Alarm Points				Discrete BACnet alarm objects available –use auto-discover for this unit
Communications	40289:00	289:00	BA01_x:00	
Output Undervoltage	40289:01	289:01	BA01_x:01	
Output Overvoltage	40289:02	289:02	BA01_x:02	
Output Overcurrent	40289:03	289:03	BA01_x:03	
Frequency Deviation	40289:04	289:04	BA01_x:04	
Ground Overcurrent	40289:05	289:05	BA01_x:05	
Transformer Overtemp	40289:06	289:06	BA01_x:06	
Ground Fault	40289:07	289:07	BA01_x:07	
Ground Failure	40289:08	289:08	BA01_x:08	
Liquid Detected	40289:09	289:09	BA01_x:09	
Security Alarm	40289:10	289:10	BA01_x:10	
Phase Rotation/Loss	40290:00	290:00	BA02_x:00	
Datawave Overtemperature	40290:01	290:01	BA02_x:01	
Emergency Shutdown	40290:02	290:02	BA02_x:02	
Load On Bypass	40290:03	290:03	BA02_x:03	
Local Alarm #1	40290:04	290:04	BA02_x:04	
Local Alarm #2	40290:05	290:05	BA02_x:05	
Output Voltage THD	40290:06	290:06	BA02_x:06	
Custom Alarm #1	40290:07	290:07	BA02_x:07	
Custom Alarm #2	40290:08	290:08	BA02_x:08	
Setpoints (View)				
None				
Control Points (Set)				
None				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Trendable Points (Set)				
Voltage In A-B				
Voltage In B-C				
Voltage In C-A				
Voltage Out A-B				
Voltage Out B-C				
Voltage Out C-A				
Voltage In A-N				
Voltage In B-N				
Voltage In C-N				
Current Out A				
Current Out B				
Current Out C				
% Capacity A				
% Capacity B				
% Capacity C				
Ground Current				
Neutral Current				
KW				
KVA				
Power Factor				
THD Voltage X				
THD Voltage Y				
THD Voltage Z				
THD Current X				
THD Current Y				
THD Current Z				
K Factor Current X				
K Factor Current Y				
K Factor Current Z				
CREST Factor Current X				
CREST Factor Current Y				
CREST Factor Current Z				
Reports				
Trend				
Status				

Power Unit – Static Transfer Switch PDU – EDS

Hardware Compatibility	
Liebert Units:	Static Transfer Switch
SiteScan Interface Modules:	DC1, DC4, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Transfer Count	40001	1	BS01_x	
Preferred Source	40002	2	BS02_x	1=Source 1 / 0=Source 2
Load On Source 1or 2	40003	3	BS03_x	1=Source 1 / 2=Source 2
Source 1 Voltage A-B	40004	4	BS04_x	
Source 1 Voltage B-C	40005	5	BS05_x	
Source 1 Voltage C-A	40006	6	BS06_x	
Source 1 Current A	40007	7	BS07_x	
Source 1 Current B	40008	8	BS08_x	
Source 1 Current C	40009	9	BS09_x	
Source 1 Frequency	40010	10	BS10_x	Divide by 10 for correct value
Source 2 Voltage A-B	40011	11	BS11_x	
Source 2 Voltage B-C	40012	12	BS12_x	
Source 2 Voltage C-A	40013	13	BS13_x	
Source 2 Current A	40014	14	BS14_x	
Source 2 Current B	40015	15	BS15_x	
Source 2 Current C	40016	16	BS16_x	
Source 2 Frequency	40017	17	BS17_x	Divide by 10 for correct value
KW	40018	18	BS18_x	
KVA	40019	19	BS19_x	
Auto Transfer Timer	40020	20	BS20_x	
Nominal Voltage Deviation	40021	21	BS21_x	
Phase Differential Limit	40022	22	BS22_x	
Frequency Deviation	40023	23	BS23_x	Divide by 10 for correct value
Auto Transfer Enabled	40024	24	BS24_x	1=Enabled / 0=Disabled

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Logic Failure	40289:01	289:01	BA01_x:01	
Equipment Overtemp	40289:02	289:02	BA01_x:02	
Power Supply 1 Fault	40289:03	289:03	BA01_x:03	
Source 1 Overvoltage	40289:04	289:04	BA01_x:04	
Source 1 Undervoltage	40289:05	289:05	BA01_x:05	
Source 2 Overvoltage	40289:06	289:06	BA01_x:06	
Source 2 Undervoltage	40289:07	289:07	BA01_x:07	
Source 1 Overload	40289:08	289:08	BA01_x:08	
Shorted SCR1	40289:09	289:09	BA01_x:09	
Shorted SCR2	40289:10	289:10	BA01_x:10	
Open SCR1	40290:00	290:00	BA02_x:00	
Open SCR2	40290:01	290:01	BA02_x:01	
Fan Failure	40290:02	290:02	BA02_x:02	
Source 2 Overload	40290:03	290:03	BA02_x:03	
Power Supply 2 Fault	40290:04	290:04	BA02_x:04	
Frequency Deviation	40290:05	290:05	BA02_x:05	
Transfer Inhibit	40290:06	290:06	BA02_x:06	
Auto Retransfer Primed	40290:07	290:07	BA02_x:07	
Out of Synchronization	40290:08	290:08	BA02_x:08	
Source 1 Failure	40290:09	290:09	BA02_x:09	
Source 2 Failure	40290:10	290:10	BA02_x:10	
Auto Retransfer Failed	40291:00	291:00	BA03_x:00	
Overload	40291:01	291:01	BA03_x:01	
Control Fuse 1 Blown	40291:02	291:02	BA03_x:02	
Control Fuse 2 Blown	40291:03	291:03	BA03_x:03	
Source 1 CB1 Open	40291:04	291:04	BA03_x:04	
Source 2 CB2 Open	40291:05	291:05	BA03_x:05	
Output CB3 Open	40291:06	291:06	BA03_x:06	
Custom Alarm 1	40291:07	291:07	BA03_x:07	
Custom Alarm 2	40291:08	291:08	BA03_x:08	
Bypass CB4 Closed	40291:09	291:09	BA03_x:09	
Bypass CB5 Closed	40291:10	291:10	BA03_x:10	
Custom Alarm 3	40292:00	292:00	BA04_x:00	
Custom Alarm 4	40292:01	292:01	BA04_x:01	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Custom Alarm 5	40292:2	292:2	BA04_x:02	
Custom Alarm 6	40292:3	292:3	BA04_x:03	
Custom Alarm 7	40292:4	292:4	BA04_x:04	
Custom Alarm 8	40292:5	292:5	BA04_x:05	
Setpoints (View)				
None				
Control Points (Set)				
None				
Trendable Points (Set)				
Source 1 Voltage A-B				
Source 1 Voltage B-C				
Source 1 Voltage C-A				
Source 1 Current A				
Source 1 Current B				
Source 1 Current C				
Source 2 Voltage A-B				
Source 2 Voltage B-C				
Source 2 Voltage C-A				
Source 2 Current A				
Source 2 Current B				
Source 2 Current C				
KW				
KVA				
Reports				
Trend				
Status				

Power Unit – Static Transfer Switch PDU Dual Output – STS

Hardware Compatibility	
Liebert Units:	Static Transfer Switch with w/ & w/o PDU
SiteScan Interface Modules:	DC1, DC4, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Transfer Count	40001	1	BS01_x	
Preferred Source	40002	2	BS02_x	1=Source 1 / 0=Source 2
Load On Source 1 or 2	40003	3	BS03_x	1=Source 1 / 2=Source 2
Source 1 Voltage A-B	40004	4	BS04_x	
Source 1 Voltage B-C	40005	5	BS05_x	
Source 1 Voltage C-A	40006	6	BS06_x	
Source 1 Current A	40007	7	BS07_x	
Source 1 Current B	40008	8	BS08_x	
Source 1 Current C	40009	9	BS09_x	
Source 1 Frequency	40010	10	BS10_x	Divide by 10 for correct value
Source 2 Voltage A-B	40011	11	BS11_x	
Source 2 Voltage B-C	40012	12	BS12_x	
Source 2 Voltage C-A	40013	13	BS13_x	
Source 2 Current A	40014	14	BS14_x	
Source 2 Current B	40015	15	BS15_x	
Source 2 Current C	40016	16	BS16_x	
Source 2 Frequency	40017	17	BS17_x	Divide by 10 for correct value
KW	40018	18	BS18_x	
KVA	40019	19	BS19_x	
Auto Transfer Timer	40020	20	BS20_x	
Nominal Voltage Deviation	40021	21	BS21_x	
Phase Differential Limit	40022	22	BS22_x	
Frequency Deviation	40023	23	BS23_x	Divide by 10 for correct value
Auto Transfer Enabled	40024	24	BS24_x	1=Enabled / 0=Disabled
Dual Output Breaker Status				1=Enabled / 0=Disabled

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Logic Failure	40289:01	289:01	BA01_x:01	
Equipment Overtemp	40289:02	289:02	BA01_x:02	
Power Supply 1 Fault	40289:03	289:03	BA01_x:03	
Source 1 Overvoltage	40289:04	289:04	BA01_x:04	
Source 1 Undervoltage	40289:05	289:05	BA01_x:05	
Source 2 Overvoltage	40289:06	289:06	BA01_x:06	
Source 2 Undervoltage	40289:07	289:07	BA01_x:07	
Source 1 Overload	40289:08	289:08	BA01_x:08	
Shorted SCR1	40289:09	289:09	BA01_x:09	
Shorted SCR2	40289:10	289:10	BA01_x:10	
Open SCR1	40290:00	290:00	BA02_x:00	
Open SCR2	40290:01	290:01	BA02_x:01	
Fan Failure	40290:02	290:02	BA02_x:02	
Source 2 Overload	40290:03	290:03	BA02_x:03	
Power Supply 2 Fault	40290:04	290:04	BA02_x:04	
Frequency Deviation	40290:05	290:05	BA02_x:05	
Transfer Inhibit	40290:06	290:06	BA02_x:06	
Auto Retransfer Primed	40290:07	290:07	BA02_x:07	
Out of Synchronization	40290:08	290:08	BA02_x:08	
Source 1 Failure	40290:09	290:09	BA02_x:09	
Source 2 Failure	40290:10	290:10	BA02_x:10	
Auto Retransfer Failed	40291:00	291:00	BA03_x:00	
Overload	40291:01	291:01	BA03_x:01	
Control Fuse 1 Blown	40291:02	291:02	BA03_x:02	
Control Fuse 2 Blown	40291:03	291:03	BA03_x:03	
Source 1 CB1 Open	40291:04	291:04	BA03_x:04	
Source 2 CB2 Open	40291:05	291:05	BA03_x:05	
Output CB3 Open	40291:06	291:06	BA03_x:06	
Custom Alarm 1	40291:07	291:07	BA03_x:07	
Custom Alarm 2	40291:08	291:08	BA03_x:08	
Bypass CB4 Closed	40291:09	291:09	BA03_x:09	
Bypass CB5 Closed	40291:10	291:10	BA03_x:10	
Output CB 3B Open	40292:00	292:00	BA04_x:00	
Custom Alarm 4	40292:01	292:01	BA04_x:01	
Custom Alarm 5	40292:02	292:02	BA01_x:02	
Custom Alarm 6	40292:03	292:03	BA01_x:03	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Custom Alarm 7	40292:4	292:4	BA01_x:04	
Custom Alarm 8	40292:5	292:5	BA01_x:05	
Setpoints (View)				
Auto Transfer Timer				
Nominal Voltage Deviation				
Phase Differential Limit				
Frequency Deviation				
Auto Transfer Enabled				
Control Points (Set)				
None				
Trendable Points (Set)				
Source 1 Voltage A-B				
Source 1 Voltage B-C				
Source 1 Voltage C-A				
Source 1 Current A				
Source 1 Current B				
Source 1 Current C				
Source 2 Voltage A-B				
Source 2 Voltage B-C				
Source 2 Voltage C-A				
Source 2 Current A				
Source 2 Current B				
Source 2 Current C				
KW				
KVA				
Reports				
Trend				
Status				

Power Unit – Static Transfer Switch PDU Dual Output – STS-2

Hardware Compatibility	
Liebert Units:	Static Transfer Switch Extended Protocol w/ & w/o PDU
SiteScan Interface Modules:	SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Total Transfer Count	40001	1	BS01_x	
Preferred Source	40002	2	BS02_x	0=Source 1, 255=Source 2
Active Source	40003	3	BS03_x	1=Source 1, 2=Source 2
Source 1 Volts A-B	40004	4	BS04_x	
Source 1 Volts B-C	40005	5	BS05_x	
Source 1 Volts C-A	40006	6	BS06_x	
Source 1 Current A	40007	7	BS07_x	
Source 1 Current B	40008	8	BS08_x	
Source 1 Current C	40009	9	BS09_x	
Source 1 Frequency	40010	10	BS10_x	Divide by 10 for correct value
Source 2 Volts A-B	40011	11	BS11_x	
Source 2 Volts B-C	40012	12	BS12_x	
Source 2 Volts C-A	40013	13	BS13_x	
Source 2 Current A	40014	14	BS14_x	
Source 2 Current B	40015	15	BS15_x	
Source 2 Current C	40016	16	BS16_x	
Source 2 Frequency	40017	17	BS17_x	Divide by 10 for correct value
Output KW	40018	18	BS18_x	
Output KVA	40019	19	BS19_x	
Sync Phase Angle				
Total Operating Hours				
CB1 Status	40024:0	24:0	BS24_x:00	
CB2 Status	40024:1	24:1	BS24_x:01	
CB3 Status	40024:2	24:2	BS24_x:02	
CB3A Status	40024:3	24:3	BS24_x:03	
CB4 Status	40024:4	24:4	BS24_x:04	
CB5 Status	40024:5	24:5	BS24_x:05	
CB7 Status	40024:6	24:6	BS24_x:06	
CB8 Status	40024:7	24:7	BS24_x:07	
Setpoints (View)				
Retransefer Delay	40020	20	BS20_x	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Setpoints (Cont)				
STS2 Voltage Rating	40021	21	BS21_x	
Max Xfer Phase Angle	40022	22	BS22_x	
Freq. Deviation Trip Point	40023	23	BS23_x	
Alarm Points				Discrete BACnet alarm objects available – use auto-discover for this unit
Communications Lost	40289:00	289:00	BA01_x:00	
S1 SCR Short	40289:01	289:01	BA01_x:01	
S2 SCR Short	40289:02	289:02	BA01_x:02	
S1 SCR Open	40289:03	289:03	BA01_x:03	
S2 SCR Open	40289:04	289:04	BA01_x:04	
Primary Fan Fail	40289:05	289:05	BA01_x:05	
Control Module Fail	40289:06	289:06	BA01_x:06	
PWR Supply DC A Fail	40289:07	289:07	BA01_x:07	
PWR Supply DC B Fail	40289:08	289:08	BA01_x:08	
PWR Supply SRC 1 AC Fail	40289:09	289:09	BA01_x:09	
PWR Supply SRC 2 AC Fail	40289:10	289:10	BA01_x:10	
PWR Supply Logic Fail	40289:11	289:11	BA01_x:11	
Output Voltage Sense Fail	40289:12	289:12	BA01_x:12	
S1 Voltage Sense Fail	40289:13	289:13	BA01_x:13	
S2 Voltage Sense Fail	40289:14	289:14	BA01_x:14	
S1 SCR Sense Fail	40289:15	289:15	BA01_x:15	
S2 SCR Sense Fail	40290:00	290:00	BA02_x:00	
S1 Current Sense Fail	40290:01	290:01	BA02_x:01	
S2 Current Sense Fail	40290:02	290:02	BA02_x:02	
S1 Gate Drive Fail	40290:03	290:03	BA02_x:03	
S2 Gate Drive Fail	40290:04	290:04	BA02_x:04	
Internal Comm Fail	40290:05	290:05	BA02_x:05	
External Comm Fail	40290:06	290:06	BA02_x:06	
CB1 Shunt Trip Fail	40290:07	290:07	BA02_x:07	
CB2 Shunt Trip Fail	40290:08	290:08	BA02_x:08	
CB6 Neutral Open	40290:09	290:09	BA02_x:09	
Contactor Neutral Fail	40290:10	290:10	BA02_x:10	
Heatsink Overtemp	40290:11	290:11	BA02_x:11	
Equipment Overtemp	40290:12	290:12	BA02_x:12	
Ambient Overtemp	40290:13	290:13	BA02_x:13	
S1 Undervolts	40290:14	290:14	BA02_x:14	
S1 Undervolts (RMS)	40290:15	290:15	BA02_x:15	
S1 Overvolts	40291:00	291:00	BA03_x:00	
S1 Over/Under Freq	40291:01	291:01	BA03_x:01	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points (cont.)				Discrete BACnet alarm objects available – use auto-discover for this unit
S1 Fail	40291:02	291:02	BA03_x:02	
S2 Undervolts	40291:03	291:03	BA03_x:03	
S2 Undervolts (RMS)	40291:04	291:04	BA03_x:04	
S2 Overvolts	40291:05	291:05	BA03_x:05	
S2 Over/Under Frequency	40291:06	291:06	BA03_x:06	
S2 Fail	40291:07	291:07	BA03_x:07	
S1 Overcurrent	40291:08	291:08	BA03_x:08	
S2 Overcurrent	40291:09	291:09	BA03_x:09	
S1 I-Peak	40291:10	291:10	BA03_x:10	
S2 I-Peak	40291:11	291:11	BA03_x:11	
Sources Out of Sync	40291:12	291:12	BA03_x:12	
Load On Alternate Source	40291:13	291:13	BA03_x:13	
Auto Retransfer Inhibit	40291:14	291:14	BA03_x:14	
CB1 (S1) Open	40292:00	292:00	BA04_x:00	
CB2 (S2) Open	40292:01	292:01	BA04_x:01	
CB4 (S1 BYP) Closed	40292:02	292:02	BA04_x:02	
CB5 (S2 BYP) Closed	40292:03	292:03	BA04_x:03	
CB3 Output Bkr Open	40292:04	292:04	BA04_x:04	
CB3A Output Bkr Open	40292:05	292:05	BA04_x:05	
S1 Phase Rotation Error	40292:06	292:06	BA04_x:06	
S2 Phase Rotation Error	40292:07	292:07	BA04_x:07	
Transfer Inhibited	40292:08	292:08	BA04_x:08	
Output Undervoltage	40292:09	292:09	BA04_x:09	
History Logs Full	40292:10	292:10	BA04_x:10	
Input Contact #1	40292:11	292:11	BA04_x:11	
Input Contact #2	40292:12	292:12	BA04_x:12	
Input Contact #3	40292:13	292:13	BA04_x:13	
Input Contact #4	40292:14	292:14	BA04_x:14	
Input Contact #5	40293:00	293:00	BA05_x:00	
Input Contact #6	40293:01	293:01	BA05_x:01	
Input Contact #7	40293:02	293:02	BA05_x:02	
Input Contact #8	40293:03	293:03	BA05_x:03	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Trendable Points (Set)				
S1 Amps A				
S1 Amps B				
S1 Amps C				
S2 Amps A				
S2 Amps B				
S2 Amps C				
kVA				
kW				

Liebert UPS Units

UPS Unit – Multi Module UPS – S600/610 Extended Prot. – MM4

Hardware Compatibility	
Liebert Units:	Series 600/610 MMS
SiteScan Interface Modules:	DC1, DC4, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Input Voltage A-B	40001	1	BS01_x	
Input Voltage B-C	40002	2	BS02_x	
Input Voltage C-A	40003	3	BS03_x	
Output Voltage A-B	40004	4	BS04_x	
Output Voltage B-C	40005	5	BS05_x	
Output Voltage C-A	40006	6	BS06_x	
Output Voltage A-N				
Output Voltage B-N				
Output Voltage C-N				
Output Amps Phase A	40007	7	BS07_x	
Output Amps Phase B	40008	8	BS08_x	
Output Amps Phase C	40009	9	BS09_x	
DC Bus Voltage	40010	10	BS10_x	
Battery Current	40011	11	BS11_x	
KVA	40012	12	BS12_x	
KW	40013	13	BS13_x	
Critical Bus Frequency	40014	14	BS14_x	Divide by 10 for correct value
% Capacity Phase A	40015	15	BS15_x	
% Capacity Phase B	40016	16	BS16_x	
% Capacity Phase C	40017	17	BS17_x	
Input Amps Phase A	40018	18	BS18_x	
Input Amps Phase B	40019	19	BS19_x	
Input Amps Phase C	40020	20	BS20_x	
Total Operating Hours				
Module Number				
Total # Battery Discharge				
Accumulated Battery Time				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Accumulated Battery Amp/Hr				
Accumulated Battery kw/Hr				
Battery Charge Percent				
Battery Time Remaining				
Battery Temperature				
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Battery Discharge	40289:01	289:01	BA01_x:01	
Input Failure	40289:02	289:02	BA01_x:02	
Hardware Shutdown	40289:03	289:03	BA01_x:03	
DC Ground Fault	40289:04	289:04	BA01_x:04	
Input CB Open	40289:05	289:05	BA01_x:05	
Output CB Open	40289:06	289:06	BA01_x:06	
DC Cap Fuse Blown	40289:07	289:07	BA01_x:07	
Low Battery Reserve	40289:08	289:08	BA01_x:08	
Output Overload	40289:09	289:09	BA01_x:09	
Rectifier Fuse Blown	40289:10	289:10	BA01_x:10	
Emergency Power Off	40290:00	290:00	BA02_x:00	
Ambient Overtemperature	40290:01	290:01	BA02_x:01	
Battery Disconnected	40290:02	290:02	BA02_x:02	
Control Power Failure	40290:03	290:03	BA02_x:03	
Overload Shutdown	40290:04	290:04	BA02_x:04	
Inverter Fault	40290:05	290:05	BA02_x:05	
Input Current Unbalanced	40290:06	290:06	BA02_x:06	
Inverter Out of Sync	40290:07	290:07	BA02_x:07	
Reverse Power	40290:08	290:08	BA02_x:08	
Low Battery Shutdown	40290:09	290:09	BA02_x:09	
DC Overvoltage Shutdown	40290:10	290:10	BA02_x:10	
Battery Cycle Buffer Full	40291:00	291:00	BA03_x:00	
Equipment Overtemp	40291:01	291:01	BA03_x:01	
Blower/Fan Failure	40291:02	291:02	BA03_x:02	
Overtemperature Shutdown	40291:03	291:03	BA03_x:03	
Battery Room Overtemp	40291:04	291:04	BA03_x:04	
Battery Test Running	40291:05	291:05	BA03_x:05	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Setpoints (View)				
Overload Alarm				
DC Overvoltage Alarm				
Battery Discharging Alarm				
Low Battery Alarm				
Battery Shutdown 1 Alarm				
Battery Shutdown 2 Alarm				
Control Points (Set)				
None				
Trendable Points (Set)				
Input Voltage A-B				
Input Voltage B-C				
Input Voltage C-A				
Output Voltage A-B				
Output Voltage B-C				
Output Voltage C-A				
Output Voltage A-N				
Output Voltage B-N				
Output Voltage C-N				
Output Amps Phase A				
Output Amps Phase B				
Output Amps Phase C				
DC Bus Voltage				
KVA				
KW				
% Capacity Phase A				
% Capacity Phase B				
% Capacity Phase C				
Input Amps Phase A				
Input Amps Phase B				
Input Amps Phase C				
Reports				
Trend				
Status				

UPS Unit – Multi Module Series – MMS

Hardware Compatibility	
Liebert Units:	Series /610MMS, Series 600T MS
SiteScan Interface Modules:	DC1, DC4, DC12, SiteLink (All)
BMS interface Modules:	SiteLink

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Voltage In A-B	40001	1	BS01_x	
Voltage In B-C	40002	2	BS02_x	
Voltage In C-A	40003	3	BS03_x	
Voltage Out A-B	40004	4	BS04_x	
Voltage Out B-C	40005	5	BS05_x	
Voltage Out C-A	40006	6	BS06_x	
Voltage Out A-N	40007	7	BS07_x	
Voltage Out B-N	40008	8	BS08_x	
Voltage Out C-N	40009	9	BS09_x	
Current Out A	40010	10	BS10_x	
Current Out B	40011	11	BS11_x	
Current Out C	40012	12	BS12_x	
DC Bus Voltage	40013	13	BS13_x	
Battery Current	40014	14	BS14_x	
KVA	40015	15	BS15_x	
KW	40016	16	BS16_x	
Frequency	40017	17	BS17_x	Divide by 10 for correct value
% Capacity A	40018	18	BS18_x	
% Capacity B	40019	19	BS19_x	
% Capacity C	40020	20	BS20_x	
Alarm Points				Discrete BACnet alarm objects available – use auto-discover for this unit
Communications	40289:00	289:00	BA01_x:00	
Battery Discharge	40289:01	289:01	BA01_x:01	
Low Battery Reserve	40289:02	289:02	BA01_x:02	
Output Overload	40289:03	289:03	BA01_x:03	
Fuse Cleared	40289:04	289:04	BA01_x:04	
Ambient Overtemperature	40289:05	289:05	BA01_x:05	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Battery Grounded	40289:06	289:06	BA01_x:06	
Battery Disconnected	40289:07	289:07	BA01_x:07	
Module Cooling Failure	40289:08	289:08	BA01_x:08	
Control Power Failure	40289:09	289:09	BA01_x:09	
Overload Shutdown	40289:10	289:10	BA01_x:10	
Setpoints (View)				
None				
Control Points (Set)				
None				
Trendable Points (Set)				
Voltage In A-B				
Voltage In B-C				
Voltage In C-A				
Voltage Out A-B				
Voltage Out B-C				
Voltage Out C-A				
Voltage Out A-N				
Voltage Out B-N				
Voltage Out C-N				
Current Out A				
Current Out B				
Current Out C				
% Capacity A				
% Capacity B				
% Capacity C				
DC Bus Voltage				
DC Bus Current				
kW				
kVA				
Reports				
Trend				

UPS Unit – System Control Cabinet – S/610 Ext. Prot. – SC4

Hardware Compatibility	
Liebert Units:	Series /610 SCC
SiteScan Interface Modules:	DC1, DC4, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Input Voltage A-B	40001	1	BS01_x	
Input Voltage B-C	40002	2	BS02_x	
Input Voltage C-A	40003	3	BS03_x	
Output Voltage A-B	40004	4	BS04_x	
Output Voltage B-C	40005	5	BS05_x	
Output Voltage C-A	40006	6	BS06_x	
Output Voltage A-N				
Output Voltage B-N				
Output Voltage C-N				
Output Amps Phase A	40007	7	BS07_x	
Output Amps Phase B	40008	8	BS08_x	
Output Amps Phase C	40009	9	BS09_x	
KVA	40010	10	BS10_x	
KW	40011	11	BS11_x	
Critical Bus Frequency	40012	12	BS12_x	Divide by 10 for correct value
% Capacity Phase A	40013	13	BS13_x	
% Capacity Phase B	40014	14	BS14_x	
% Capacity Phase C	40015	15	BS15_x	
Bypass Voltage A-B	40016	16	BS16_x	
Bypass Voltage B-C	40017	17	BS17_x	
Bypass Voltage C-A	40018	18	BS18_x	
Output Frequency	40019	19	BS19_x	Divide by 10 for correct value
Bypass Frequency	40020	20	BS20_x	Divide by 10 for correct value
Total Operating Hours				
Number of Modules in System				
System Number				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Output Undervoltage	40289:01	289:01	BA01_x:01	
Output Overvoltage	40289:02	289:02	BA01_x:02	
Frequency Deviation	40289:03	289:03	BA01_x:03	
Bypass CB Closed	40289:04	289:04	BA01_x:04	
Output CB Open	40289:05	289:05	BA01_x:05	
Static Switch Disconnected	40289:06	289:06	BA01_x:06	
Output Overload	40289:07	289:07	BA01_x:07	
Emergency Power Off	40289:08	289:08	BA01_x:08	
Load On Bypass	40289:09	289:09	BA01_x:09	
Static Switch Disabled	40289:10	289:10	BA01_x:10	
Control Power Failure	40290:00	290:00	BA02_x:00	
Module #1 Summary Alarm	40290:01	290:01	BA02_x:01	
Module #2 Summary Alarm	40290:02	290:02	BA02_x:02	
Module #3 Summary Alarm	40290:03	290:03	BA02_x:03	
Module #4 Summary Alarm	40290:04	290:04	BA02_x:04	
Module #5 Summary Alarm	40290:05	290:05	BA02_x:05	
Module #6 Summary Alarm	40290:06	290:06	BA02_x:06	
Bypass Not Available	40290:07	290:07	BA02_x:07	
Not OK to Transfer	40290:08	290:08	BA02_x:08	
Bypass Ph Rotation Error	40290:09	290:09	BA02_x:09	
Manual Reset/Transfer	40290:10	290:10	BA02_x:10	
Auto Re-Transfer Primed	40291:00	291:00	BA03_x:00	
Overload Transfer	40291:01	291:01	BA03_x:01	
Module #1 Offline	40291:02	291:02	BA03_x:02	
Module #2 Offline	40291:03	291:03	BA03_x:03	
Module #3 Offline	40291:04	291:04	BA03_x:04	
Module #4 Offline	40291:05	291:05	BA03_x:05	
Module #5 Offline	40291:06	291:06	BA03_x:06	
Module #6 Offline	40291:07	291:07	BA03_x:07	
Custom Alarm #1	40291:08	291:08	BA03_x:08	
Custom Alarm #2	40291:09	291:09	BA03_x:09	
Custom Alarm #3	40291:10	291:10	BA03_x:10	
Custom Alarm #4	40292:00	292:00	BA04_x:00	
Custom Alarm #5	40292:01	292:01	BA04_x:01	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Custom Alarm #6	40292:02	292:02	BA04_x:02	
Custom Alarm #7	40292:03	292:03	BA04_x:03	
Custom Alarm #8	40292:04	292:04	BA04_x:04	
Setpoints (View)				
Overload Alarm				
Control Points (Set)				
None				
Trendable Points (Set)				
Input Voltage A-B				
Input Voltage B-C				
Input Voltage C-A				
Output Voltage A-B				
Output Voltage B-C				
Output Voltage C-A				
Output Voltage A-N				
Output Voltage B-N				
Output Voltage C-N				
Output Amps Phase A				
Output Amps Phase B				
Output Amps Phase C				
kVA				
KW				
% Capacity Phase A				
% Capacity Phase B				
% Capacity Phase C				
Bypass Voltage A-B				
Bypass Voltage B-C				
Bypass Voltage C-A				
Reports				
Trend				
Status				

UPS Unit – System Control Cabinet – SCC

Hardware Compatibility	
Liebert Units:	Series 600/610 SCC
SiteScan Interface Modules:	DC1, DC4, DC12, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Voltage In A-B	40001	1	BS01_x	
Voltage In B-C	40002	2	BS02_x	
Voltage In C-A	40003	3	BS03_x	
Voltage Out A-B	40004	4	BS04_x	
Voltage Out B-C	40005	5	BS05_x	
Voltage Out C-A	40006	6	BS06_x	
Voltage In A-N	40007	7	BS07_x	
Voltage In B-N	40008	8	BS08_x	
Voltage In C-N	40009	9	BS09_x	
Current Out A	40010	10	BS10_x	
Current Out B	40011	11	BS11_x	
Current Out C	40012	12	BS12_x	
KVA	40013	13	BS13_x	
KW	40014	14	BS14_x	
Frequency	40015	15	BS15_x	Divide by 10 for correct value
% Capacity Phase A	40016	16	BS16_x	
% Capacity Phase B	40017	17	BS17_x	
% Capacity Phase C	40018	18	BS18_x	
Alarm Points				Discrete BACnet alarm objects available – use auto-discover for this unit
Communications	40289:00	289:00	BA01_x:00	
Output Overload	40289:01	289:01	BA01_x:01	
Emergency Power Off	40289:02	289:02	BA01_x:02	
Load On Bypass	40289:03	289:03	BA01_x:03	
Static Switch Disabled	40289:04	289:04	BA01_x:04	
Output Out of Limits	40289:05	289:05	BA01_x:05	
Module #1 Summary	40289:06	289:06	BA01_x:06	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Module #2 Summary	40289:07	289:07	BA01_x:07	
Module #3 Summary	40289:08	289:08	BA01_x:08	
Module #4 Summary	40289:09	289:09	BA01_x:09	
Module #5 Summary	40289:10	289:10	BA01_x:10	
Module #6 Summary	40290:00	290:00	BA02_x:00	
Setpoints (View)				
None				
Control Points (Set)				
None				
Trendable Points (Set)				
Voltage In A-B				
Voltage In B-C				
Voltage In C-A				
Voltage Out A-B				
Voltage Out B-C				
Voltage Out C-A				
Voltage In A-N				
Voltage In B-N				
Voltage In C-N				
Current Out A				
Current Out B				
Current Out C				
% Capacity Phase A				
% Capacity Phase B				
% Capacity Phase C				
KW				
KVA				
Reports				
Trend				
Status				

UPS Unit – Single Module Series – SMS

Hardware Compatibility	
Liebert Units:	Series 300/500/600 Single Module UPS
SiteScan Interface Modules:	DC1, DC4, DC12, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Voltage In A-B	40001	1	BS01_x	
Voltage In B-C	40002	2	BS02_x	
Voltage In C-A	40003	3	BS03_x	
Voltage Out A-B	40004	4	BS04_x	
Voltage Out B-C	40005	5	BS05_x	
Voltage Out C-A	40006	6	BS06_x	
Voltage Out A-N	40007	7	BS07_x	
Voltage Out B-N	40008	8	BS08_x	
Voltage Out C-N	40009	9	BS09_x	
Current Out A	40010	10	BS10_x	
Current Out B	40011	11	BS11_x	
Current Out C	40012	12	BS12_x	
DC Bus Voltage	40013	13	BS13_x	
DC Bus Current	40014	14	BS14_x	
KVA	40015	15	BS15_x	Divide by 10 for correct value Modbus Only
KW	40016	16	BS16_x	Divide by 10 for correct value Modbus Only
Frequency	40017	17	BS17_x	Divide by 10 for correct value Modbus Only
% Capacity Phase A	40018	18	BS18_x	
% Capacity Phase B	40019	19	BS19_x	
% Capacity Phase C	40020	20	BS20_x	
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Battery Discharge	40289:01	289:01	BA01_x:01	
Low Battery Reserve	40289:02	289:02	BA01_x:02	
Output Overload	40289:03	289:03	BA01_x:03	
Fuse Cleared	40289:04	289:04	BA01_x:04	
Emergency Power Off	40289:05	289:05	BA01_x:05	
Ambient Overtemperature	40289:06	289:06	BA01_x:06	
Load On Bypass	40289:07	289:07	BA01_x:07	
Static Switch Disabled	40289:08	289:08	BA01_x:08	
Battery Disconnected	40289:09	289:09	BA01_x:09	
Module Cooling Failure	40289:10	289:10	BA01_x:10	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Control Power Failure	40290:00	290:00	BA02_x:00	
Overload Shutdown	40290:01	290:01	BA02_x:01	
Setpoints (View)				
None				
Control Points (Set)				
None				
Trendable Points (Set)				
Voltage In A-B				
Voltage In B-C				
Voltage In C-A				
Voltage Out A-B				
Voltage Out B-C				
Voltage Out C-A				
Voltage Out A-N				
Voltage Out B-N				
Voltage Out C-N				
Current Out A				
Current Out B				
Current Out C				
% Capacity Phase A				
% Capacity Phase B				
% Capacity Phase C				
DC Bus Voltage				
DC Bus Current				
KW				
KVA				
Reports				
Trend				
Status				

UPS Unit – Single Module UPS – S/610 Ext. Prot. – SM4

Hardware Compatibility	
Liebert Units:	Series /610 SMS
SiteScan Interface Modules:	DC1,DC4, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Input Voltage A-B	40001	1	BS01_x	
Input Voltage B-C	40002	2	BS02_x	
Input Voltage C-A	40003	3	BS03_x	
Output Voltage A-B	40004	4	BS04_x	
Output Voltage B-C	40005	5	BS05_x	
Output Voltage C-A	40006	6	BS06_x	
Output Voltage A-N				
Output Voltage B-N				
Output Voltage C-N				
Output Amps Phase A	40007	7	BS07_x	
Output Amps Phase B	40008	8	BS08_x	
Output Amps Phase C	40009	9	BS09_x	
DC Bus Voltage	40010	10	BS10_x	
Battery Current	40011	11	BS11_x	
KVA	40012	12	BS12_x	
KW	40013	13	BS13_x	
Critical Bus Frequency	40014	14	BS14_x	Divide by 10 for correct value
% Capacity Phase A	40015	15	BS15_x	
% Capacity Phase B	40016	16	BS16_x	
% Capacity Phase C	40017	17	BS17_x	
Bypass Voltage A-B	40018	18	BS18_x	
Bypass Voltage B-C	40019	19	BS19_x	
Bypass Voltage C-A	40020	20	BS20_x	
Input Amps Phase A	40021	21	BS21_x	
Input Amps Phase B	40022	22	BS22_x	
Input Amps Phase C	40023	23	BS23_x	
Bypass Frequency	40024	24	BS24_x	Divide by 10 for correct value

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Bypass Frequency				
Total Operating Hours				
Module Number				
Total # Battery Discharge				
Accumulated Battery Time				
Accumulated Battery Amp/Hr				
Accumulated Battery kW/Hr				
Battery Charge Percent				
Battery Time Remaining				
Battery Temperature				
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Output Undervoltage	40289:01	289:01	BA01_x:01	
Output Overvoltage	40289:02	289:02	BA01_x:02	
Battery Discharge	40289:03	289:03	BA01_x:03	
Frequency Deviation	40289:04	289:04	BA01_x:04	
Input Failure	40289:05	289:05	BA01_x:05	
Hardware Shutdown	40289:06	289:06	BA01_x:06	
DC Ground Fault	40289:07	289:07	BA01_x:07	
Input CB Open	40289:08	289:08	BA01_x:08	
Bypass CB Closed	40289:09	289:09	BA01_x:09	
Output CB Open	40289:10	289:10	BA01_x:10	
Static Switch Disconnected	40290:00	290:00	BA02_x:00	
DC Cap Fuse Blown	40290:01	290:01	BA02_x:01	
Low Battery Reserve	40290:02	290:02	BA02_x:02	
Output Overload	40290:03	290:03	BA02_x:03	
Rectifier Fuse Blown	40290:04	290:04	BA02_x:04	
Emergency Power Off	40290:05	290:05	BA02_x:05	
Ambient Overtemperature	40290:06	290:06	BA02_x:06	
Load On Bypass	40290:07	290:07	BA02_x:07	
Static Switch Disabled	40290:08	290:08	BA02_x:08	
Battery Disconnected	40290:09	290:09	BA02_x:09	
Control Power Failure	40290:10	290:10	BA02_x:10	
Inverter Fault	40291:00	291:00	BA03_x:01	
Input Current Unbalanced	40291:01	291:01	BA03_x:02	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Bypass Not Available	40291:02	291:02	BA03_x:02	
Not OK to Transfer	40291:03	291:03	BA03_x:03	
Bypass Ph Rotation Error	40291:04	291:04	BA03_x:04	
Manual Reset/Transfer	40291:05	291:05	BA03_x:05	
Auto Re-Transfer Primed	40291:06	291:06	BA03_x:06	
Overload Transfer	40291:07	291:07	BA03_x:07	
Reserve Power	40291:08	291:08	BA03_x:08	
Low Battery Shutdown	40291:09	291:09	BA03_x:09	
DC Overvoltage Shutdown	40291:10	291:10	BA03_x:10	
Battery Cycle Buffer Full	40292:00	292:00	BA04_x:00	
Equipment Overtemp	40292:01	292:01	BA04_x:01	
Blower/Fan Failure	40292:02	292:02	BA04_x:02	
Overtemperature Shutdown	40292:03	292:03	BA04_x:03	
Custom Alarm #1	40292:04	292:04	BA04_x:04	
Custom Alarm #2	40292:05	292:05	BA04_x:05	
Custom Alarm #3	40292:06	292:06	BA04_x:06	
Custom Alarm #4	40292:07	292:07	BA04_x:07	
Custom Alarm #5	40292:08	292:08	BA04_x:08	
Custom Alarm #6	40292:09	292:09	BA04_x:09	
Custom Alarm #7	40292:10	292:10	BA04_x:10	
Custom Alarm #8	40292:00	292:00	BA05_x:00	
Battery Room Overtemp	40293:01	293:01	BA05_x:01	
Battery Test Running	40293:02	293:02	BA05_x:02	
Auto-restart Initiated	40293:03	293:03	BA05_x:03	
Auto-restart Failed	40293:04	293:04	BA05_x:04	
Setpoints (View)				
Overload Alarm				
DC Overvoltage Alarm				
Battery Discharging Alarm				
Low Battery Alarm				
Battery Shutdown 1 Alarm				
Battery Shutdown 2 Alarm				
Control Points (Set)				
None				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Trendable Points (Set)				
Input Voltage A-B				
Input Voltage B-C				
Input Voltage C-A				
Output Voltage A-B				
Output Voltage B-C				
Output Voltage C-A				
Output Voltage A-N				
Output Voltage B-N				
Output Voltage C-N				
Output Amps Phase A				
Output Amps Phase B				
Output Amps Phase C				
DC Bus Voltage				
Battery Current				
KVA				
KW				
% Capacity Phase A				
% Capacity Phase B				
% Capacity Phase C				
Bypass Voltage A-B				
Bypass Voltage B-C				
Bypass Voltage C-A				
Input Amps Phase A				
Input Amps Phase B				
Input Amps Phase C				
Reports				
Trend				
Status				

UPS Unit – Multi-Module SICE 7200 & HiPulse UPS – SMM

Hardware Compatibility	
Liebert Units:	SICE 7200
SiteScan Interface Modules:	DC1, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Output Voltage L1-L2	40001	1	BS01_x	
Output Voltage L2-L3	40002	2	BS02_x	
Output Voltage L3-L1	40003	3	BS03_x	
Output Voltage L1-N				
Output Voltage L2-N				
Output Voltage L3-N				
Output Amps L1	40004	4	BS04_x	
Output Amps L2	40005	5	BS05_x	
Output Amps L3	40006	6	BS06_x	
Output Amps Neutral				
Power L1	40007	7	BS07_x	
Power L2	40008	8	BS08_x	
Power L3	40009	9	BS09_x	
Bypass Frequency	40010	10	BS10_x	Divide by 10 for correct value
Inverter Frequency	40011	11	BS11_x	Divide by 10 for correct value
Input Voltage L1-L2				
Input Voltage L2-L3				
Input Voltage L3-L1				
Battery Voltage	40012	12	BS12_x	
Battery Amperage	40013	13	BS13_x	
Apparent Power L1	40014	14	BS14_x	
Apparent Power L2	40015	15	BS15_x	
Apparent Power L3	40016	16	BS16_x	
% Load L1	40017	17	BS17_x	
% Load L2	40018	18	BS18_x	
% Load L3	40019	19	BS19_x	
Module Number				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
% Battery Charge	40020	20	BS20_x	
Battery Temperature	40021	21	BS21_x	
Battery Time Remaining	40022	22	BS22_x	
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Bypass Switch Open	40289:01	289:01	BA01_x:01	
Output Switch Open	40289:02	289:02	BA01_x:02	
Rectifier Switch Open	40289:03	289:03	BA01_x:03	
Battery CB Open	40289:04	289:04	BA01_x:04	
Manual Bypass Closed	40289:05	289:05	BA01_x:05	
Bypass Absent	40289:06	289:06	BA01_x:06	
Bypass Overvoltage	40289:07	289:07	BA01_x:07	
Bypass Undervoltage	40289:08	289:08	BA01_x:08	
Bypass Frequency Error	40289:09	289:09	BA01_x:09	
Byp Phase Rotation Error	40289:10	289:10	BA01_x:10	
Bypass SCR Failure	40290:00	290:00	BA02_x:00	
Bypass Off	40290:01	290:01	BA02_x:01	
Bypass Off Via Display	40290:02	290:02	BA02_x:02	
Load On Bypass	40290:03	290:03	BA02_x:03	
Bypass Overtemperature	40290:04	290:04	BA02_x:04	
Rectifier Off	40290:05	290:05	BA02_x:05	
Rectifier Off Via Display	40290:06	290:06	BA02_x:06	
Rectifier Block	40290:07	290:07	BA02_x:07	
Rectifier Current Limit	40290:08	290:08	BA02_x:08	
Rectifier Overtemperature	40290:09	290:09	BA02_x:09	
Rectifier Fuse Failure	40290:10	290:10	BA02_x:10	
Inverter Off	40291:00	291:00	BA03_x:00	
Inverter Off Via Display	40291:01	291:01	BA03_x:01	
Inverter Block	40291:02	291:02	BA03_x:02	
Inverter Current Limit	40291:03	291:03	BA03_x:03	
Inverter Overtemperature	40291:04	291:04	BA03_x:04	
Inverter Non Sync	40291:05	291:05	BA03_x:05	
Inverter Overvoltage	40291:06	291:06	BA03_x:06	
Inverter Undervoltage	40291:07	291:07	BA03_x:07	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Inverter Fuse Failure	40291:08	291:08	BA03_x:08	
Output Overvoltage	40291:09	291:09	BA03_x:09	
Output Undervoltage	40291:10	291:10	BA03_x:10	
Output No Voltage	40292:00	292:00	BA04_x:00	
Output Waveform Error	40292:01	292:01	BA04_x:01	
Inverter Frequency Error	40292:02	292:02	BA04_x:02	
Inverter Parallel Error	40292:03	292:03	BA04_x:03	
Contactor Failure	40292:04	292:04	BA04_x:04	
Battery Test	40292:05	292:05	BA04_x:05	
Battery Test Failed	40292:06	292:06	BA04_x:06	
Battery On Load	40292:07	292:07	BA04_x:07	
Battery End of Discharge	40292:08	292:08	BA04_x:08	
Boost Time Expired	40292:09	292:09	BA04_x:09	
DC Slow Overvoltage	40292:10	292:10	BA04_x:10	
DC Undervoltage	40293:00	293:00	BA05_x:00	
Battery Fuse Failure	40293:01	293:01	BA05_x:01	
DC Fast Overvoltage	40293:02	293:02	BA05_x:02	
Transfer Count Block	40293:03	293:03	BA05_x:03	
Overload Shutdown	40293:04	293:04	BA05_x:04	
Overtemperature SD	40293:05	293:05	BA05_x:05	
Emergency Stop	40293:06	293:06	BA05_x:06	
Overload Present	40293:07	293:07	BA05_x:07	
Overload Shutdown TO	40293:08	293:08	BA05_x:08	
Bad EEPROM	40293:09	293:09	BA05_x:09	
Error LRC Par P1	40293:10	293:10	BA05_x:10	
Error LRC Par P2				
Error LRC Par P3				
Error LRC Alarm History				
Error LRC Event History				
Internal Battery Low				
Error LRC Table				
Error LRC Panel				
Can Bus No Response				
Battery Ground Fault				
Back Feed Fault				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Synchronization Inhibited				
ECO – Mode On				
Setpoints (View)				
Power Rating				
Configuration				
Nominal Voltage				
Low Level Input Voltage				
Upper Level Input Voltage				
Low Level Output Voltage				
Upper Level Output Voltage				
Nominal Frequency				
Frequency Tolerance				
Slew Rate				
# of Battery Cells				
Rated Capacity				
Pre-End Discharge				
End of Discharge per Cell				
Maximum Voltage per Cell				
Year				
Month				
Day				
Hour				
Minute				
Second				
Control Points (Set)				
Date & Time Sync				
Trendable Points (Set)				
Output Voltage L1-L2				
Output Voltage L2-L3				
Output voltage L3-L1				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Trendable Points (Set)				
Output Amps L1				
Output Amps L2				
Output Amps L3				
Power L1				
Power L2				
Power L3				
Battery Voltage				
Battery Amperage				
Apparent Power L1				
Apparent Power L2				
Apparent Power L3				
% Load L1				
% Load L2				
% Load L3				
Reports				
Status				
Trend				

UPS Unit – Systems Cabinet SICE 7200 UPS – SSC

Hardware Compatibility	
Liebert Units:	SICE 7200
SiteScan Interface Modules:	DC1, DC4, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Output Voltage L1-L2	40001	1	BS01_x	
Output Voltage L2-L3	40002	2	BS02_x	
Output Voltage L3-L1	40003	3	BS03_x	
Output Voltage L1-N				
Output Voltage L2-N				
Output Voltage L3-N				
Output Amps L1	40004	4	BS04_x	
Output Amps L2	40005	5	BS05_x	
Output Amps L3	40006	6	BS06_x	
Output Amps Neutral				
Power L1	40007	7	BS07_x	
Power L2	40008	8	BS08_x	
Power L3	40009	9	BS09_x	
Bypass Frequency	40010	10	BS10_x	
Input Voltage L1-L2				
Input Voltage L2-L3				
Input Voltage L3-L1				
Battery Voltage	40012	12	BS12_x	
Battery Amperage	40013	13	BS13_x	
Apparent Power L1	40014	14	BS14_x	
Apparent Power L2	40015	15	BS15_x	
Apparent Power L3	40016	16	BS16_x	
% Load L1	40017	17	BS17_x	
% Load L2	40018	18	BS18_x	
% Load L3	40019	19	BS19_x	
Number of Modules in Sys				
%Battery Charge	40020	20	BS20_x	
Battery Temperature	40021	21	BS21_x	
Battery Time Remaining	40022	22	BS22_x	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Communications	40289:00	289:00	BA01_x:00	
Bypass Switch Open	40289:01	289:01	BA01_x:01	
Output Switch Open	40289:02	289:02	BA01_x:02	
Battery CB Open	40289:03	289:03	BA01_x:03	
Manual Bypass Closed	40289:04	289:04	BA01_x:04	
Bypass Absent	40289:05	289:05	BA01_x:05	
Bypass Overvoltage	40289:06	289:06	BA01_x:06	
Bypass Undervoltage	40289:07	289:07	BA01_x:07	
Bypass Frequency Error	40289:08	289:08	BA01_x:08	
Bypass Ph Rotation Error	40289:09	289:09	BA01_x:09	
Bypass SCR Failure	40289:10	289:10	BA01_x:10	
Bypass Off	40290:00	290:00	BA02_x:00	
Bypass Off Via Display	40290:01	290:01	BA02_x:01	
Load On Bypass	40290:02	290:02	BA02_x:02	
Bypass Overtemperature	40290:03	290:03	BA02_x:03	
Inverter Non Sync	40290:04	290:04	BA02_x:04	
Output Overvoltage	40290:05	290:05	BA02_x:05	
Output Undervoltage	40290:06	290:06	BA02_x:06	
Output No Voltage	40290:07	290:07	BA02_x:07	
Output Waveform Error	40290:08	290:08	BA02_x:08	
Transfer Count Block	40290:09	290:09	BA02_x:09	
Overload Shutdown	40290:10	290:10	BA02_x:10	
Overtemperature Shutdown	40291:00	291:00	BA03_x:00	
Emergency Stop	40291:01	291:01	BA03_x:01	
Overload Present	40291:02	291:02	BA03_x:02	
Overload Shutdown TO	40291:03	291:03	BA03_x:03	
Bad EEPROM	40291:04	291:04	BA03_x:04	
Error LRC Par P1	40291:05	291:05	BA03_x:05	
Error LRC Par P2	40291:05	291:05	BA03_x:05	
Error LRC Par P3	40291:05	291:05	BA03_x:05	
Error LRC Alarm History	40291:05	291:05	BA03_x:05	
Error LRC Event History	40291:05	291:05	BA03_x:05	
Internal Battery Low	40291:05	291:05	BA03_x:05	
Error LRC Table	40291:05	291:05	BA03_x:05	
Error LRC Panel	40291:05	291:05	BA03_x:05	
Can Bus No Response	40291:05	291:05	BA03_x:05	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Setpoints (View)				
Power Rating				
Configuration				
Nominal Voltage				
Low Level Input Voltage				
Upper Level Input Voltage				
Low Level Output Voltage				
Upper Level Output Voltage				
Nominal Frequency				
Frequency Tolerance				
Year				
Month				
Day				
Hour				
Minute				
Second				
Trendable Points (Set)				
Output Voltage L1-L2				
Output Voltage L2-L3				
Output Voltage L3-L1				
Output Amps L1				
Output Amps L2				
Output Amps L3				
Power L1				
Power L2				
Power L3				
Battery Voltage				
Battery Amperage				
Apparent Power L1				
Apparent Power L2				
Apparent Power L3				
% Load L1				
% Load L2				
% Load L3				
Reports				
Status				
Trend				

UPS Unit – Single Module SICE 7200 & HiPulse UPS – SSM

Hardware Compatibility	
Liebert Units:	SICE 7200
SiteScan Interface Modules:	DC1, DC4, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Output Voltage L1-L2	40001	1	BS01_x	
Output Voltage L2-L3	40002	2	BS02_x	
Output Voltage L3-L1	40003	3	BS03_x	
Output Voltage L1-N				
Output Voltage L2-N				
Output Voltage L3-N				
Output Amps L1	40004	4	BS04_x	
Output Amps L2	40005	5	BS05_x	
Output Amps L3	40006	6	BS06_x	
Output Amps Neutral				
Power L1	40007	7	BS07_x	
Power L2	40008	8	BS08_x	
Power L3	40009	9	BS09_x	
Bypass Frequency	40010	10	BS10_x	Divide by 10 for correct value
Inverter Frequency	40011	11	BS11_x	Divide by 10 for correct value
Input Voltage L1-L2				
Input Voltage L2-L3				
Input Voltage L3-L1				
Battery Voltage	40012	12	BS12_x	
Battery Amperage	40013	13	BS13_x	
Apparent Power L1	40014	14	BS14_x	
Apparent Power L2	40015	15	BS15_x	
Apparent Power L3	40016	16	BS16_x	
% Load L1	40017	17	BS17_x	
% Load L2	40018	18	BS18_x	
% Load L3	40019	19	BS19_x	
%Battery Charge	40020	20	BS20_x	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Battery Temperature	40021	21	BS21_x	
Battery Time Remaining	40022	22	BS22_x	
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Bypass Switch Open	40289:01	289:01	BA01_x:01	
Output Switch Open	40289:02	289:02	BA01_x:02	
Rectifier Switch Open	40289:03	289:03	BA01_x:03	
Battery CB Open	40289:04	289:04	BA01_x:04	
Manual Bypass Closed	40289:05	289:05	BA01_x:05	
Bypass Absent	40289:06	289:06	BA01_x:06	
Bypass Overvoltage	40289:07	289:07	BA01_x:07	
Bypass Undervoltage	40289:08	289:08	BA01_x:08	
Bypass Frequency Error	40289:09	289:09	BA01_x:09	
Bypass Ph Rotation Error	40289:10	289:10	BA01_x:10	
Bypass SCR Failure	40290:00	290:00	BA02_x:00	
Bypass Off	40290:01	290:01	BA02_x:01	
Bypass Off Via Display	40290:02	290:02	BA02_x:02	
Load On Bypass	40290:03	290:03	BA02_x:03	
Bypass Overtemperature	40290:04	290:04	BA02_x:04	
Rectifier Off	40290:05	290:05	BA02_x:05	
Rectifier Off Via Display	40290:06	290:06	BA02_x:06	
Rectifier Block	40290:07	290:07	BA02_x:07	
Rectifier Current Limit	40290:08	290:08	BA02_x:08	
Rectifier Overtemperature	40290:09	290:09	BA02_x:09	
Rectifier Fuse Failure	40290:10	290:10	BA02_x:10	
Inverter Off	40291:00	291:00	BA03_x:00	
Inverter Off Via Display	40291:01	291:01	BA03_x:01	
Inverter Block	40291:02	291:02	BA03_x:02	
Inverter Current Limit	40291:03	291:03	BA03_x:03	
Inverter Overtemperature	40291:04	291:04	BA03_x:04	
Inverter Non Sync	40291:05	291:05	BA03_x:05	
Inverter Overvoltage	40291:06	291:06	BA03_x:06	
Inverter Undervoltage	40291:07	291:07	BA03_x:07	
Inverter Fuse Failure	40291:08	291:08	BA03_x:08	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Output Overvoltage	40291:09	291:09	BA03_x:09	
Output Undervoltage	40291:10	291:10	BA03_x:10	
Output No Voltage	40292:00	292:00	BA04_x:00	
Output Waveform Error	40292:01	292:01	BA04_x:01	
Inverter Frequency Error	40292:02	292:02	BA04_x:02	
Inverter Parallel Error	40292:03	292:03	BA04_x:03	
Contactor Failure	40292:04	292:04	BA04_x:04	
Battery Test	40292:05	292:05	BA04_x:05	
Battery Test Failed	40292:06	292:06	BA04_x:06	
Battery On Load	40292:07	292:07	BA04_x:07	
Battery End of Discharge	40292:08	292:08	BA04_x:08	
Boost Time Expired	40292:09	292:09	BA04_x:09	
DC Slow Overvoltage	40292:10	292:10	BA04_x:10	
DC Undervoltage	40293:00	293:00	BA05_x:00	
Battery Fuse Failure	40293:01	293:01	BA05_x:01	
DC Fast Overvoltage	40293:02	293:02	BA05_x:02	
Transfer Count Block	40293:03	293:03	BA05_x:03	
Overload Shutdown	40293:04	293:04	BA05_x:04	
Overtemperature Shutdown	40293:05	293:05	BA05_x:05	
Emergency Stop	40293:06	293:06	BA05_x:06	
Overload Present	40293:07	293:07	BA05_x:07	
Overload Shutdown TO	40293:08	293:08	BA05_x:08	
Bad EEPROM	40293:09	293:09	BA05_x:09	
Error LRC Par P1	40293:10	293:10	BA05_x:10	
Error LRC Par P2	40293:10	293:10	BA05_x:10	
Error LRC Par P3	40293:10	293:10	BA05_x:10	
Error LRC Alarm History	40293:10	293:10	BA05_x:10	
Error LRC Event History	40293:10	293:10	BA05_x:10	
Internal Battery Low	40293:10	293:10	BA05_x:10	
Error LRC Table	40293:10	293:10	BA05_x:10	
Error LRC Panel	40293:10	293:10	BA05_x:10	
Can Bus No Response	40293:10	293:10	BA05_x:10	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Setpoints (View)				
Power Rating				
Configuration				
Nominal Voltage				
Low Level Input Voltage				
Upper Level Input Voltage				
Low Level Output Voltage				
Upper Level Output Voltage				
Nominal Frequency				
Frequency Tolerance				
Slew Rate				
# of Battery Cells				
Rated Capacity				
Pre-End Discharge				
End of Discharge per Cell				
Maximum Voltage per Cell				
Year				
Month				
Day				
Hour				
Minute				
Second				
Control Points (Set)				
Date & Time Sync				
Trendable Points (Set)				
Output Voltage L1-L2				
Output Voltage L2-L3				
Output Voltage L3-L1				
Output Amps L1				
Output Amps L2				
Output Amps L3				
Power L1				
Power L2				
Power L3				
Battery Voltage				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Trendable Points (Set)				
Battery Amperage				
Apparent Power L1				
Apparent Power L2				
Apparent Power L3				
% Load L1				
% Load L2				
% Load L3				
Reports				
Status				
Trend				

UPS Unit – UPStation S – DCU

Hardware Compatibility	
Liebert Units:	UPStation S
SiteScan Interface Modules:	DCU
BMS interface Modules:	

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Battery Time Remaining				
Last Battery Test Passed				
Last Self Test Passed				
Voltage In Phase A				
Voltage In Phase B				
Voltage In Phase C				
Current In Phase A				
Current In Phase B				
Current In Phase C				
Voltage Out Phase A				
Voltage Out Phase B				
Current Out Phase A				
Current Out Phase B				
Voltage Bypass Phase A				
Voltage Bypass Phase B				
Current Bypass Phase A				
Current Bypass Phase B				
VA				
Inverter Load				
Percentage Load				
Inverter Temperature				
PFC Temperature				
Battery Temperature				
Battery Voltage				
Battery Current				
Input Frequency				
Output Frequency				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Bypass Frequency				
Alarm Points				
Communications				
Inverter				
Utility Failure				
Ambient Overtemperature				
Battery Test In Progress				
Input Overvoltage				
UPS On Bypass				
Receptacle 1 Off				
Receptacle 2 Off				
Receptacle 3 Off				
Receptacle 4 Off				
Receptacle 5 Off				
Receptacle 6 Off				
Receptacle 7 Off				
Receptacle 8 Off				
Outlet Overload				
Input Frequency				
Charger Failure				
Low Battery				
Inverter Undervoltage				
Inverter Overvoltage				
Bypass Power				
UPS Status				
Setpoints (View)				
None				
Control Points (Set)				
None				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Trendable Points (Set)				
Voltage In Phase A				
Voltage In Phase B				
Voltage In Phase C				
Current In Phase A				
Current In Phase B				
Current In Phase C				
Voltage Out Phase A				
Voltage Out Phase B				
Current Out Phase A				
Current Out Phase B				
Voltage Bypass Phase A				
Voltage Bypass Phase B				
Current Bypass Phase A				
Current Bypass Phase B				
VA				
Inverter Load				
Percentage Load				
Inverter Temperature				
PFC Temperature				
Battery Temperature				
Battery Voltage				
Battery Current				
Input Frequency				
Output Frequency				
Bypass Frequency				
Reports				
Trend				
Status				

UPS Unit – UPStation S3 – US3

Hardware Compatibility	
Liebert Units:	UPStation S3
SiteScan Interface Modules:	DC1, DC4, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Bypass Voltage A-N	40016	16	BS16_x	
Bypass Voltage B-N	40017	17	BS17_x	
Bypass Voltage C-N	40018	18	BS18_x	
Voltage In A-N	40001	1	BS01_x	
Voltage In B-N	40002	2	BS02_x	
Voltage In C-N	40003	3	BS03_x	
Voltage Out A-N	40004	4	BS04_x	
Voltage Out B-N	40005	5	BS05_x	
Voltage Out C-N	40006	6	BS06_x	
Current Out A	40007	7	BS07_x	
Current Out B	40008	8	BS08_x	
Current Out C	40009	9	BS09_x	
DC Bus Voltage	40010	10	BS10_x	
DC Bus Current	40011	11	BS11_x	
KVA	40012	12	BS12_x	
KW	40013	13	BS13_x	
Inverter Temperature	40021	21	BS21_x	
PFC Temperature	40022	22	BS22_x	
Battery Temperature	40023	23	BS23_x	
Battery Test Status				
Input Frequency				
Bypass Frequency	40024	24	BS24_x	
Output Frequency	40014	14	BS14_x	Divide by 10 for correct value Modbus Only
Current In A				
Current In B				
Current In C				
% Capacity	40015	15	BS15_x	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Inverter Status				
Utility Status				
Bypass Status				
Battery Test in Progress				
Battery Time Remaining	40020	20	BS20_x	Countdown starts at 254
KVA Size	40019	19	BS19_x	
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Bypass Failure	40289:01	289:01	BA01_x:01	
Input Failure	40289:02	289:02	BA01_x:02	
Battery Discharging	40289:03	289:03	BA01_x:03	
Low Battery Reserve	40289:04	289:04	BA01_x:04	
Output Overload	40289:05	289:05	BA01_x:05	
Ambient Overtemperature	40289:06	289:06	BA01_x:06	
Output Undervoltage	40289:07	289:07	BA01_x:07	
Output Overvoltage	40289:08	289:08	BA01_x:08	
Input Overvoltage	40289:09	289:09	BA01_x:09	
Charge Failure	40289:10	289:10	BA01_x:10	
UPS Off	40290:00	290:00	BA02_x:00	
Load On Bypass	40290:01	290:01	BA02_x:01	
Utility Failed	40290:02	290:02	BA02_x:02	
Setpoints (View)				
None				
Control Points (Set)				
None				
Trendable Points (Set)				
Bypass Voltage A-N				
Bypass Voltage B-N				
Bypass Voltage C-N				
Voltage In A-N				
Voltage In B-N				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Trendable Points (Set)				
Voltage In C-N				
Voltage Out A-N				
Voltage Out B-N				
Voltage Out C-N				
Current In A				
Current In B				
Current In C				
Current Out A				
Current Out B				
Current Out C				
% Capacity				
DC Bus Voltage				
DC Bus Current				
KW				
KVA				
Battery Time				
Reports				
Trend				
Status				

UPS Unit – Single Module Series AP301/302 – SM3

Hardware Compatibility	
Liebert Units:	Single Module UPS AP301/302
SiteScan Interface Modules:	DC1, DC4, DC12, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Bypass Voltage A-N	40016	16	BS16_x	
Bypass Voltage B-N	40017	17	BS17_x	
Bypass Voltage C-N	40018	18	BS18_x	
Voltage in A-N	40001	1	BS01_x	
Voltage in B-N	40002	2	BS02_x	
Voltage in C-N	40003	3	BS03_x	
Voltage Out A-N	40004	4	BS04_x	
Voltage Out B-N	40005	5	BS05_x	
Voltage Out C-N	40006	6	BS06_x	
Current In A				
Current In B				
Current In C				
Current Out A	40007	7	BS07_x	
Current Out B	40008	8	BS08_x	
Current Out C	40009	9	BS09_x	
% Capacity	40015	15	BS15_x	
DC Bus Voltage	40010	10	BS10_x	
DC Bus Current	40011	11	BS11_x	
kVA	40012	12	BS12_x	
kW	40013	13	BS13_x	
Input Frequency				Divide by 10 for correct value
Bypass Frequency				Divide by 10 for correct value
Output Frequency	40014	14	BS14_x	Divide by 10 for correct value Modbus Only
Last Battery Test Status	40022	22	BS22_x	0=failed / 1= passed
Inverter Status	40023	23	BS23_x	0=off / 1=on
Model Number	40020	20	BS20_x	
KVA Size	40019	19	BS19_x	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Utility Status				
Bypass Status	40024	24	BS24_x	0=not present / 1=present
Battery Test In Progress				
Battery Time Remaining	40021	21	BS21_x	Countdown timer starts at 254
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Bypass Failure	40289:01	289:01	BA01_x:01	
Input Failure	40289:02	289:02	BA01_x:02	
Battery Discharging	40289:03	289:03	BA01_x:03	
Low Battery Reserve	40289:04	289:04	BA01_x:04	
Output Overload	40289:05	289:05	BA01_x:05	
Ambient Overtemperature	40289:06	289:06	BA01_x:06	
Output Undervoltage	40289:07	289:07	BA01_x:07	
Output Overvoltage	40289:08	289:08	BA01_x:08	
Charger Failure	40289:09	289:09	BA01_x:09	
Load On Bypass	40289:10	289:10	BA01_x:10	
Utility Failed	40290:00	290:00	BA02_x:00	
Setpoints (View)				
None				
Control Points (Set)				
None				
Trendable Points (Set)				
Bypass Voltage A-N				
Bypass Voltage B-N				
Bypass Voltage C-N				
Voltage In A-N				
Voltage In B-N				
Voltage In C-N				
Voltage Out A-N				
Voltage Out B-N				
Voltage Out C-N				
Current In A				
Current In B				
Current In C				
Current Out A				
Current Out B				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Current Out C				
% Capacity				
DC Bus Voltage				
DC Bus Current				
KW				
KVA				
Input Frequency				
Bypass Frequency				
Output Frequency				
Battery Time				
Reports				
Trend				
Status				

UPS Unit – Single Module UPS – NPower—IMP

Hardware Compatibility	
Liebert Units:	NPower SMS
SiteScan Interface Modules:	SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (2.6)**	**BACnet SSWEB**	**Notes:**
Status Points (View)				
Input Voltage A-B	40001	1	BS01_x	
Input Voltage B-C	40002	2	BS02_x	
Input Voltage C-A	40003	3	BS03_x	
Input Frequency				
Bypass Voltage A-B	40004	4	BS04_x	
Bypass Voltage B-C	40005	5	BS05_x	
Bypass Voltage C-A	40006	6	BS06_x	
Bypass Frequency				
Battery Voltage	40007	7	BS07_x	
Battery Current	40008	8	BS08_x	Scale by 10
Battery Temperature	40009	9	BS09_x	
Battery Time Remaining				
Battery Charge Percentage				
Output Voltage A-B	40010	10	BS10_x	
Output Voltage B-C	40011	11	BS11_x	
Output Voltage C-A	40012	12	BS12_x	
Output Voltage A-N				
Output Voltage B-N				
Output Voltage C-N				
Output Current A	40013	13	BS13_x	Scale by 10
Output Current B	40014	14	BS14_x	Scale by 10
Output Current C	40015	15	BS15_x	Scale by 10
Output kVA A	40016	16	BS16_x	
Output kVA B	40017	17	BS17_x	
Output kVA C	40018	18	BS18_x	
Output kW A	40019	19	BS19_x	
Output kW B	40020	20	BS20_x	

SiteScan Availability	Modbus Register	BACnet Instance (2.6)	BACnet SSWEB	Notes:
Status Points (View)				
Output kW C	40021	21	BS21_x	
Output Frequency	40022	22	BS22_x	Scale by 10
Rated kVA Percentage	40023	23	BS23_x	
Rated kW Percentage	40024	24	BS24_x	
SBS Line Contact On/Off				
SBS Load Contact On/Off				
Input Delta Contact On/Off				
Input Wye Contact On/Off				
Output Contact On/Off				
Battery Breaker On/Off				
Trap Filter Contact On/Off				
Int. Mbypass Sw. On/Off				
Ext. Mbypass Sw. On/Off				
Alarm Points				
Communications	40289:00	289:00	BA01_x:00	
Battery Fuse Fail	40289:01	289:01	BA01_x:01	
Rectifier Fuse Fail	40289:02	289:02	BA01_x:02	
Trap Fuse Fail	40289:03	289:03	BA01_x:03	
Battery Overcharged	40289:04	289:04	BA01_x:04	
Bypass Overload Shutdown	40289:05	289:05	BA01_x:05	
Inverter Overload	40289:06	289:06	BA01_x:06	
Inverter Fuse Failure	40289:07	289:07	BA01_x:07	
Overvoltage Transfer	40289:08	289:08	BA01_x:08	
Undervoltage Transfer	40289:09	289:09	BA01_x:09	
Inverter Curr.Lim. Transfer	40289:10	289:10	BA01_x:10	
EPO Shutdown	40289:11	289:11	BA01_x:11	
Rectifier Fail	40289:12	289:12	BA01_x:12	
Inverter Fail	40289:13	289:13	BA01_x:13	
Hardware Shutdown	40289:14	289:14	BA01_x:14	
On Battery	40289:15	289:15	BA01_x:15	
Input Current Limit	40290:00	290:00	BA02_x:00	
Battery CB Open	40290:01	290:01	BA02_x:01	
Battery Discharging	40290:02	290:02	BA02_x:02	
SBS Overload Phase A	40290:03	290:03	BA02_x:03	
SBS Overload Phase B	40290:04	290:04	BA02_x:04	

SiteScan Availability	Modbus Register	BACnet Instance (2.6)	BACnet SSWEB	Notes:
Alarms Points				
SBS Overload Phase C	40290:05	290:05	BA02_x:05	
Inverter Current Limit	40290:06	290:06	BA02_x:06	
Inverter Overload Phase A	40290:07	290:07	BA02_x:07	
Inverter Overload Phase B	40290:08	290:08	BA02_x:08	
Inverter Overload Phase C	40290:09	290:09	BA02_x:09	
Low PF Warning	40290:10	290:10	BA02_x:10	
Battery Ground Fault	40290:11	290:11	BA02_x:11	
EPO Latched	40290:12	290:12	BA02_x:12	
SBS Unable	40290:13	290:13	BA02_x:13	
Inverter Off By User	40290:14	290:14	BA02_x:14	
Battery Low Warning	40290:15	290:15	BA02_x:15	
Battery Test Fail	40291:00	291:00	BA02_x:00	
User Shutdown	40291:01	291:01	BA02_x:01	
Battery Not Charged	40291:02	291:02	BA02_x:02	
Load On Bypass	40291:03	291:03	BA02_x:03	
Input Contact #1	40291:04	291:04	BA02_x:04	
Input Contact #2	40291:05	291:05	BA02_x:05	
Input Contact #3	40291:06	291:06	BA02_x:06	
Input Contact #4	40291:07	291:07	BA02_x:07	
Input Contact #5	40291:08	291:08	BA02_x:08	
Input Contact #6	40291:09	291:09	BA02_x:09	
Input Contact #7	40291:10	291:10	BA02_x:10	
Input Contact #8	40291:11	291:11	BA02_x:11	
Common Alarm	40291:12	291:12	BA02_x:12	**Common Alarm** - alarms not listed here
Trendable Points				
Battery Current				
Output Current A				
Output Current B				
Output Current C				
Ouptut kVA A				
Ouptut kVA B				
Ouptut kVA C				
Ouptut kW A				
Ouptut kW B				
Ouptut kW C				
% Rated kVA				
% Rated kW				
Reports				
Trend & Status				

UPS Unit – Single Module UPS – NX—PNX

Hardware Compatibility	
Liebert Units:	NX
SiteScan Interface Modules:	SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Input Frequency				
Output Frequency	40001		BS01_x	Scale By 10
Bypass Frequency				
Battery Voltage	40002		BS02_x	
Battery Current	40003		BS03_x	Scale by 10
Battery Charge Percentage				
Battery Time Remaining				
Battery Temperature	40004		BS04_x	
Input Voltage Vab	40005		BS05_x	
Input Voltage Vbc	40006		BS06_x	
Input Voltage Vca	40007		BS07_x	
Bypass Volts A	40008		BS08_x	
Bypass Volts B	40009		BS09_x	
Bypass Volts C	40010		BS10_x	
Output Volts A	40011		BS11_x	
Output Volts B	40012		BS12_x	
Output Volts C	40013		BS13_x	
Output Current A	40014		BS14_x	Scale by 10
Output Current B	40015		BS15_x	Scale by 10
Output Current C	40016		BS16_x	Scale by 10
Output % A				
Output % B	40017		BS17_x	Average of A,B,C
Output % C				
Output Va A	40018		BS18_x	
Output Va B	40019		BS19_x	
Output Va C	40020		BS20_x	
Output Watts A	40021		BS21_x	

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Output Watts B	40022		BS22_x	
Output Watts C	40023		BS23_x	
System Output Va A				
System Output Va B				
System Output Va C				
Alarm Points				
Loss Of Communications	40289:00		BA01_x:00	
Input Switch Open	40289:01		BA01_x:01	
Generator Input Disconnected	40289:02		BA01_x:02	
Main AC Neutral Lost	40289:03		BA01_x:03	
Load On Battery	40289:04		BA01_x:04	
Reserved	40289:05		BA01_x:05	
Load On Joint Mode	40289:06		BA01_x:06	
Load On Bypass	40289:07		BA01_x:07	
No Power Supplied	40289:08		BA01_x:08	
Overload Bypass	40289:09		BA01_x:09	
Max Xfer Bypass	40289:10		BA01_x:10	
False Operation	40289:11		BA01_x:11	
UPS Overload	40289:12		BA01_x:12	
Battery Shutdown Imminent	40289:13		BA01_x:13	
Inverter Not Sync	40289:14		BA01_x:14	
DC Under Voltage Shutdown	40289:15		BA01_x:15	
Inverter Fault	40290:00		BA02_x:00	
Inverter DC Offset Overrun	40290:01		BA02_x:01	
Inverter Contactor Fail	40290:02		BA02_x:02	
Inverter Over Current	40290:03		BA02_x:03	
Inverter Communication Fail	40290:04		BA02_x:04	
Rectifier Input Fuse Blown	40290:05		BA02_x:05	
Rectifier Startup Fail	40290:06		BA02_x:06	
Rectifier Fault	40290:07		BA02_x:07	
Rectifier Over Current	40290:08		BA02_x:08	
Rectifier Communication Fail	40290:09		BA02_x:09	
Control Power Fail	40290:10		BA02_x:10	
Fan Fail	40290:11		BA02_x:11	
Battery Overtemperature	40290:12		BA02_x:12	
Ambient Overtemperature	40290:13		BA02_x:13	
Rectifier Overtemperature	40290:14		BA02_x:14	
Rectifier Inductor Overtemp	40290:15		BA02_x:15	

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Alarm Points				
Inverter Overtemperature	40291:00		BA03_x:00	
Inverter Inductor Overtemp	40291:01		BA03_x:01	
Battery Converter Overtemp	40291:02		BA03_x:02	
Battery Balancer Overtemp	40291:03		BA03_x:03	
Input Power Failure	40291:04		BA03_x:04	
Input Brown Out	40291:05		BA03_x:05	
Input Frequency Deviation	40291:06		BA03_x:06	
Input Phase Rotation	40291:07		BA03_x:07	
Bypass SBS Unable	40291:08		BA03_x:08	
Bypass Input Fault	40291:09		BA03_x:09	
Output Over Voltage	40291:10		BA03_x:10	
Charger Failure	40291:11		BA03_x:11	
Battery Fault	40291:12		BA03_x:12	
Battery Contactor Fail	40291:13		BA03_x:13	
Battery Converter Fail	40291:14		BA03_x:14	
Battery Converter Overcurrent	40291:15		BA03_x:15	
Battery Balancer Fault	40292:00		BA04_x:00	
Battery Balancer Over Current	40292:01		BA04_x:01	
Parallel System Low Batt Warn	40292:02		BA04_x:02	
Parallel Load Share Fault	40292:03		BA04_x:03	
Parallel System Fault	40292:04		BA04_x:04	
Parallel Connection Error	40292:05		BA04_x:05	
Parallel System Over Load	40292:06		BA04_x:06	
Parallel Transfer To Bypass	40292:07		BA04_x:07	
Parallel Communication Fail	40292:08		BA04_x:08	
Control Points (Set)				
None				
Trend Points				
Output Current Phase A				
Output Current Phase B				
Output Current Phase C				
Output % (Avg 3 Phases)				

UPS Unit – HiNet – PHN

Hardware Compatibility	
Liebert Units:	HiNet
SiteScan Interface Modules:	SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
UPS Load VA	40001		BS01_x	
UPS Load Watt	40002		BS02_x	
Input Frequency	40003		BS03_x	Scale By 10
Output Frequency	40004		BS04_x	Scale By 10
Load On Inverter	40005		BS05_x	
UPS Load On Bypass	40006		BS06_x	
UPS DC-DC Status	40007		BS07_x	
Battery Voltage	40008		BS08_x	
Battery Current	40009		BS09_x	
Battery Charge Percentage	40010		BS10_x	
Ambient Temperature	40011		BS11_x	
Input Va	40012		BS12_x	
Input Vb	40013		BS13_x	
Input Vc	40014		BS14_x	
Input Current Ia	40015		BS15_x	
Input Current Ib	40016		BS16_x	
Input Current Ic	40017		BS17_x	
Output Va	40018		BS18_x	
Output Vb	40019		BS19_x	
Output Vc	40020		BS20_x	
Output Current Ia	40021		BS21_x	
Output Current Ib	40022		BS22_x	
Output Current Ic	40023		BS23_x	

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Alarm Points				
Loss Of Communications	40289:00		BA01_x:00	
Load On Battery	40289:01		BA01_x:01	
Reserved	40289:02		BA01_x:02	
Load On Bypass – Permanent	40289:03		BA01_x:03	
UPS Overload	40289:04		BA01_x:04	
Battery Shutdown imminent	40289:05		BA01_x:05	
Inverter Not Sync	40289:06		BA01_x:06	
Input Power Failure	40289:07		BA01_x:07	
Bypass SBS SCR Open fault	40289:08		BA01_x:08	
Bypass Input Fault	40289:09		BA01_x:09	
Setpoints (View)				
Device Type				
UPS Sub Module Number				
UPS Battery Count				
UPS Outlet Circuitry Supported				
UPS Type Is Offline				
UPS Type Is Interactive				
UPS Has Dual Inputs	40024		BS24_x	
Setpoints (Set)				
None				
Trend Points				
Load VA				
Load Watts				
Input Current A				
Input Current B				
Input Current C				
Output Current A				
Output Current B				
Output Current C				

UPS Unit – NFinity – PNF

Hardware Compatibility	
Liebert Units:	Nfinity
SiteScan Interface Modules:	SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
UPS Load VA	40001		BS01_x	
UPS Load Watt	40002		BS02_x	
UPS Load Percent	40003		BS03_x	
Input Frequency	40004		BS04_x	Scale By 10
Output Frequency	40005		BS05_x	Scale By 10
Bypass Frequency	40006		BS06_x	Scale By 10
UPS Load On Bypass	40007		BS07_x	
Power Factor Correction Stat	40008		BS08_x	
Battery Voltage	40009		BS09_x	
Battery Charge Percentage	40010		BS10_x	
Battery Time Remaining	40011		BS11_x	
Battery Temperature	40012		BS12_x	
Transformer Temperature	40013		BS13_x	
Input Voltage	40014		BS14_x	
Input Current	40015		BS15_x	
Bypass Voltage	40016		BS16_x	
Bypass Current	40017		BS17_x	
Output Voltage	40018		BS18_x	
Output Current	40019		BS19_x	
Battery Discharge Count	40020		BS20_x	
Battery Discharge Time	40021		BS21_x	
Setpoints (View)				
Maximum System Capacity	40022		BS22_x	
Auto Restart Delay	40023		BS23_x	
Auto Battery Test Enable	40024		BS24_x	

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Setpoints (Set)				
None				
Alarm Points				
Loss Of Communications	40289:00		BA01_x:00	
Load On Battery	40289:01		BA01_x:01	
Load On Bypass	40289:02		BA01_x:02	
Overload Bypass	40289:03		BA01_x:03	
Fault Bypass	40289:04		BA01_x:04	
Manual Bypass	40289:05		BA01_x:05	
Manual Xfer Prohibited	40289:06		BA01_x:06	
UPS Overload	40289:07		BA01_x:07	
Shutdown Pending	40289:08		BA01_x:08	
Battery Shutdown imminent	40289:09		BA01_x:09	
Fan Fail	40289:10		BA01_x:10	
Air Filter Bad	40289:11		BA01_x:11	
Transformer Overtemperature	40289:12		BA01_x:12	
Internal Comm Failure	40289:13		BA01_x:13	
New Event Logged	40289:14		BA01_x:14	
Input Power Failure	40289:15		BA01_x:15	
Red Power Module Low	40290:00		BA02_x:00	
Device Active Alarm	40290:01		BA02_x:01	
Main Control Module Alarm	40290:02		BA02_x:02	
Redundant Module Alarm	40290:03		BA02_x:03	
Power Module Alarm	40290:04		BA02_x:04	
Battery Module Alarm	40290:05		BA02_x:05	
Main Control Module Fail	40290:06		BA02_x:06	
Red. Control Module Fail	40290:07		BA02_x:07	
User Interface Module Fail	40290:08		BA02_x:08	
Power Module Failure	40290:09		BA02_x:09	
Battery Module Failure	40290:10		BA02_x:10	
Overtemp Shutdown	40290:11		BA02_x:11	
Overload Shutdown	40290:12		BA02_x:12	
Output Short Shutdown	40290:13		BA02_x:13	
Low Battery Shutdown	40290:14		BA02_x:14	
Remote Shutdown	40290:15		BA02_x:15	
EPO Shutdown	40291:00		BA03_x:00	

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Trend Points				
vA				
Watts				
Input Current				
Bypass Current				
Output Current				

UPS Unit – GXT – PGX

Hardware Compatibility	
Liebert Units:	GXT
SiteScan Interface Modules:	SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
UPS Load VA	40001		BS01_x	
UPS Load Watt	40002		BS02_x	
UPS Load Percent	40003		BS03_x	
Input Frequency	40004		BS04_x	Scale By 10
Output Frequency	40005		BS05_x	Scale By 10
Bypass Frequency	40006		BS06_x	Scale By 10
Load On Inverter				
UPS Load On Bypass				
Battery Test Result				
DC-DC Status				
Inverter Ready Status				
Power Factor Correction Stat				
Battery Charge Comp Status				
Replace Battery Status				
Battery Test In Progress				
Battery Charge Status				
Battery Voltage	40007		BS07_x	
Battery Charge Percentage	40008		BS08_x	
Battery Deplete Time	40009		BS09_x	
Ambient Temperature				
Input Voltage Vab	40010		BS10_x	
Input Voltage Van	40011		BS11_x	
Bypass Voltage Vab	40012		BS12_x	
Bypass Voltage Van	40013		BS13_x	
Output Voltage Vab	40014		BS14_x	
Output Voltage Van	40015		BS15_x	
Output Current Ia	40016		BS16_x	
Output Load % Phase A	40017		BS17_x	

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Status Points (View)				
Output VA Phase A	40018		BS18_x	
Output Var Phase A	40019		BS19_x	
Output Watt Phase A	40020		BS20_x	
Input Voltage Vbn				
Bypass Voltage Vbn				
Output Voltage Vbn	40021		BS21_x	
Output Current Ib	40022		BS22_x	
Output Load % Phase B	40023		BS23_x	
Output VA Phase B				
Output Watt Phase B	40024		BS24_x	
UPS Black Out Count				
UPS Brown Out Count				
PhaseA Maximum Input Va				
PhaseA Minimum Input Va				
PhaseA Maximum Output Va				
PhaseA Minimum Output Va				
Load Circuit Output State				
Setpoints (View)				
Device Type				
UPS Sub Module Number				
Outlet Circuitry Supported				
Nominal VA				
Nominal Input Voltage				
Nominal Output Voltage				
Nominal Bypass Voltage				
Nominal Input Current				
Nominal Input Frequency				
Nominal Output Frequency				
Nominal Power Factor				
Nominal Battery Voltage				
Auto Restart Delay				
Battery Low Alarm time				
Auto Restart Enable				
Audible Alarm Enable				
Auto Battery Test Enable				

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Setpoints (View)				
UPS Type Is Offline				
UPS Type Is Interactive				
UPS Has Dual Inputs				
Setpoints (View)				
None				
Control Points (Set)				
Delayed Output Off				
Delayed Output Off/Reboot				
Delayed Output On				
Battery Test Command				
Alarm Silence				
Abort Command				
Alarm Points				
Loss Of Comm	40289:00		BA01_x:00	
Load On Battery	40289:01		BA01_x:01	
Reserved	40289:02		BA01_x:02	
UPS Overload	40289:03		BA01_x:03	
UPS Shutdown Pending	40289:04		BA01_x:04	
Battery Shutdown Imminent	40289:05		BA01_x:05	
Overtemperature	40289:06		BA01_x:06	
Input Current Unbalance	40289:07		BA01_x:07	
Input Power Failure	40289:08		BA01_x:08	
Input Over Voltage	40289:09		BA01_x:09	
Input Under Voltage	40289:10		BA01_x:10	
Input Frequency Deviation	40289:11		BA01_x:11	
Bypass Input Fault	40289:12		BA01_x:12	
Output Undervoltage	40289:13		BA01_x:13	
Output Overvoltage	40289:14		BA01_x:14	
Shutdown – Overtemp	40289:15		BA01_x:15	
Shutdown – Overload	40290:00		BA02_x:00	
Shutdown – DC Bus OV	40290:01		BA02_x:01	
Shutdown - Output Short	40290:02		BA02_x:02	
Shutdown - L-N Swapped	40290:03		BA02_x:03	

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Alarm Points				
Shutdown - Low Battery	40290:04		BA02_x:04	
Shutdown - By Remote	40290:05		BA02_x:05	
Shutdown - UV Startup	40290:06		BA02_x:06	
Shutdown - PFC Startup	40290:07		BA02_x:07	
Shutdown - External Signal	40290:08		BA02_x:08	
Trend Points				
Load VA				
Load Watts				
Output Current A				
Output VA A				
Output VAR A				
Output Watts A				
Output Current B				
Output VA B				
Output Watts B				

UPS Unit – PSI – PPS

Hardware Compatibility	
Liebert Units:	PSI
SiteScan Interface Modules:	SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
UPS Load VA	40001		BS01_x	
UPS Load Watt	40002		BS02_x	
UPS Load Percent	40003		BS03_x	
Input Frequency	40004		BS04_x	Scale By 10
Output Frequency	40005		BS05_x	Scale By 10
Load On Inverter	40006		BS06_x	
Battery Test Result				
UPS Booster On Status				
UPS Buck On Status				
UPS DC-DC Status				
UPS Battery Charger State				
Replace Battery	40007		BS07_x	
Battery Test In Progress				
UPS Battery Charge Status	40008		BS08_x	
Battery Voltage	40009		BS09_x	
Battery Charge Percentage	40010		BS10_x	
Battery Time Remaining	40011		BS11_x	
Ambient Temperature	40012		BS12_x	
Input Va	40013		BS13_x	
Input Current Ia	40014		BS14_x	
Output Va	40015		BS15_x	
Output Current Ia	40016		BS16_x	
UPS Black Out Count	40017		BS17_x	
UPS Brown Out Count	40018		BS18_x	
PhaseA Maximum Input Va	40019		BS19_x	
PhaseA Minimum Input Va	40020		BS20_x	
PhaseA Maximum Output Va	40021		BS21_x	
PhaseA Minimum Output Va	40022		BS22_x	
Load Circuit Output State	40023		BS23_x	

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Set Points (View)				
Device Type				
Sub Module Number				
Outlet Circuitry Supported				
Nominal VA	40024		BS24_x	
Nominal Input Voltage				
Nominal Output Voltage				
Nominal Input Current				
Nominal Input Frequency				
Nominal Output Frequency				
Nominal Power Factor				
Nominal Battery Voltage				
Battery Last Min Rated Load				
Battery Float Voltage				
Auto Restart Delay				
Ambient Overtemp Alarm				
Overtemp Failure Threshold				
Auto Restart Enable				
Audible Alarm Enable				
Auto Battery Test Enable				
UPS Type Is Offline				
UPS Type Is Interactive				
UPS Has Dual Inputs				
Setpoints (Set)				
None				
Control Points (Set)				
Turn Output Off with Delay				
Delayed Output Off/Reboot				
Delayed Output On				
Battery Test Command				
Alarm Silent command				
Abort previous Command				
Reset Battery Stats Cmd				
Reset Stat Counters Cmd				

Available Points				
SiteScan Availability	**Modbus Register**	**BACnet Instance (Exec. 6 Modules)**	**BACnet Instance (Exec. B Modules)**	**Notes:**
Alarm Points				
Loss Of Comm	40289:00		BA01_x:00	
Load On Battery	40289:01		BA01_x:01	
Reserved	40289:02		BA01_x:02	
UPS Overload	40289:03		BA01_x:03	
UPS Shutdown Pending	40289:04		BA01_x:04	
Battery Shutdown	40289:05		BA01_x:05	
Overtemperature	40289:06		BA01_x:06	
Input Current Unbalance	40289:07		BA01_x:07	
Input Power Failure	40289:08		BA01_x:08	
Input Over Voltage	40289:09		BA01_x:09	
Input Under Voltage	40289:10		BA01_x:10	
Input Frequency Deviation	40289:11		BA01_x:11	
Bypass Input Fault	40289:12		BA01_x:12	
Output Undervoltage	40289:13		BA01_x:13	
Output Overvoltage	40289:14		BA01_x:14	
Shutdown – Overtemp	40289:15		BA01_x:15	
Shutdown – Overload	40290:00		BA02_x:00	
Shutdown – DC Bus OV	40290:01		BA02_x:01	
Shutdown - Output Short	40290:02		BA02_x:02	
Shutdown - L-N Swapped	40290:03		BA02_x:03	
Shutdown - Low Battery	40290:04		BA02_x:04	
Shutdown - By Remote	40290:05		BA02_x:05	
Shutdown - UV Startup	40290:06		BA02_x:06	
Shutdown - PFC Startup	40290:07		BA02_x:07	
Shutdown - External Signal	40290:08		BA02_x:08	
Trend Points				
Load VA				
Load Watts				
Output Current A				
Output VA A				
Output VAR A				
Output Watts A				
Output Current B				
Output VA B				
Output Watts B				

Liebert Monitoring Modules

Contact Closure Module – CCM

Hardware Compatibility	
Liebert Units:	CCM200, RCM8, VSM100
SiteScan Interface Modules:	DC1, DC4, DC12, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Contact 1				
Contact 2				
Contact 3				
Contact 4				
Contact 5				
Contact 6				
Contact 7				
Contact 8				
Contact 9				
Contact 10				
Contact 11				
Contact 12				
Contact 13				
Contact 14				
Contact 15				
Contact 16				
Contact 17				
Contact 18				
Contact 19				
Contact 20				
Contact 21				
Contact 22				
Contact 23				
Contact 24				
Contact 25				
Contact 26				
Contact 27				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Contact 28				
Contact 29				
Contact 30				
Contact 31				
Contact 32				
Alarm Points (See Note)				Discrete BACnet alarm objects available – use auto-discover for this unit
Communications	40001:0	1:0	BS01_x:00	**Note: The first three status registers are used to report Alarm Points.**
Contact 1	40001:1	1:1	BS01_x:01	
Contact 2	40001:2	1:2	BS01_x:02	
Contact 3	40001:3	1:3	BS01_x:03	
Contact 4	40001:4	1:4	BS01_x:04	
Contact 5	40001:5	1:5	BS01_x:05	
Contact 6	40001:6	1:6	BS01_x:06	
Contact 7	40001:7	1:7	BS01_x:07	
Contact 8	40001:8	1:8	BS01_x:08	
Contact 9	40001:9	1:9	BS01_x:09	
Contact 10	40001:10	1:10	BS01_x:10	
Contact 11	40002:0	2:0	BS02_x:00	
Contact 12	40002:1	2:1	BS02_x:01	
Contact 13	40002:2	2:2	BS02_x:02	
Contact 14	40002:3	2:3	BS02_x:03	
Contact 15	40002:4	2:4	BS02_x:04	
Contact 16	40002:5	2:5	BS02_x:05	
Contact 17	40002:6	2:6	BS02_x:06	
Contact 18	40002:7	2:7	BS02_x:07	
Contact 19	40002:8	2:8	BS02_x:08	
Contact 20	40002:9	2:9	BS02_x:09	
Contact 21	40002:10	2:10	BS02_x:10	
Contact 22	40003:0	3:0	BS03_x:00	
Contact 23	40003:1	3:1	BS03_x:01	
Contact 24	40003:2	3:2	BS03_x:02	
Contact 25	40003:3	3:3	BS03_x:03	
Contact 26	40003:4	3:4	BS03_x:04	
Contact 27	40003:5	3:5	BS03_x:05	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Contact 28	40003:6	3:6	BS03_x:06	
Contact 29	40003:7	3:7	BS03_x:07	
Contact 30	40003:8	3:8	BS03_x:08	
Contact 31	40003:9	3:9	BS03_x:09	
Contact 32	40003:10	3:10	BS03_x:10	
Setpoints (View)				
None				
Control Points (Set)				
None				
Trendable Points (Set)				
None				
Reports				
Status				

Water/Liquid Detection Unit – WDU

Hardware Compatibility	
Liebert Units:	LDS1000, LDS750
SiteScan Interface Modules:	DC1, DC4, DC12, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance	Notes:
Status Points (View)			
Distance	40001	1	
Feet or Meters	40002	2	1=feet / 0=meters
Alarm Points			
Communications	40289:0	289:0	
Cable Fault	40289:1	289:1	
Liquid Detected	40289:2	289:2	
Reports			
Status			

Remote Autochangeover – RAC

Hardware Compatibility	
Liebert Units:	RAC2-8
SiteScan Interface Modules:	DC1, DC4, DC12, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Unit 1	40001	1	BS01_x	1=on / 0=0ff
Unit 2	40002	2	BS02_x	1=on / 0=0ff
Unit 3	40003	3	BS03_x	1=on / 0=0ff
Unit 4	40004	4	BS04_x	1=on / 0=0ff
Unit 5	40005	5	BS05_x	1=on / 0=0ff
Unit 6	40006	6	BS06_x	1=on / 0=0ff
Unit 7	40007	7	BS07_x	1=on / 0=0ff
Unit 8	40008	8	BS08_x	1=on / 0=0ff
Alarm Points				
Communications	40289:0	289:0	BA01_x:00	
Common Alarm 1	40289:1	289:1	BA01_x:01	
Common Alarm 2	40289:2	289:2	BA01_x:02	
Common Alarm 3	40289:3	289:3	BA01_x:03	
Common Alarm 4	40289:4	289:4	BA01_x:04	
Common Alarm 5	40289:5	289:5	BA01_x:05	
Common Alarm 6	40289:6	289:6	BA01_x:06	
Common Alarm 7	40289:7	289:7	BA01_x:07	
Common Alarm 8	40289:8	289:8	BA01_x:08	
Emergency Power Operation	40289:9	289:9	BA01_x:09	
EPO All Units	40289:10	289:10	BA01_x:10	
High Temperature	40290:0	290:0	BA02_x:00	
Low Temperature	40290:1	290:1	BA02_x:01	
High Humidity	40290:2	290:2	BA02_x:02	
Low Humidity	40290:3	290:3	BA02_x:03	
Manual Override	40290:4	290:4	BA02_x:04	
Reports				
Status				

Temperature/Humidity Module – THM

Hardware Compatibility	
Liebert Units:	THM100
SiteScan Interface Modules:	DC1, DC4, DC12, SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Temperature Sensor 1	40001	1	BS01_x	
Humidity Sensor 1	40002	2	BS02_x	
Temperature Sensor 2	40003	3	BS03_x	
Humidity Sensor 2	40004	4	BS04_x	
Temperature Sensor 3	40005	5	BS05_x	
Humidity Sensor 3	40006	6	BS06_x	
Temperature Sensor 4	40007	7	BS07_x	
Humidity Sensor 4	40008	8	BS08_x	
Temperature Sensor 5	40009	9	BS09_x	
Humidity Sensor 5	40010	10	BS10_x	
Temperature Sensor 6	40011	11	BS11_x	
Humidity Sensor 6	40012	12	BS12_x	
Temperature Sensor 7	40013	13	BS13_x	
Humidity Sensor 7	40014	14	BS14_x	
Temperature Sensor 8	40015	15	BS15_x	
Humidity Sensor 8	40016	16	BS16_x	
Alarm Points				
Communications	40289:0	289:0	BA01_x:00	
High/Low Temp Sensor 1				Alarm threshold determined by others
High/Low Humidity Sensor 1				Alarm threshold determined by others
High/Low Temp Sensor 2				Alarm threshold determined by others
High/Low Humidity Sensor 2				Alarm threshold determined by others
High/Low Temp Sensor 3				Alarm threshold determined by others
High/Low Humidity Sensor 3				Alarm threshold determined by others
High/Low Temp Sensor 4				Alarm threshold determined by others
High/Low Humidity Sensor 4				Alarm threshold determined by others

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
High/Low Temp Sensor 5				
High/Low Humidity Sensor 5				
High/Low Temp Sensor 6				
High/Low Humidity Sensor 6				
High/Low Temp Sensor 7				
High/Low Humidity Sensor 7				
High/Low Temp Sensor 8				
High/Low Humidity Sensor 8				
Setpoints (View)				
High/Low Temp Sensor 1				
High/Low Humidity Sensor 1				
High/Low Temp Sensor 2				
High/Low Humidity Sensor 2				
High/Low Temp Sensor 3				
High/Low Humidity Sensor 3				
High/Low Temp Sensor 4				
High/Low Humidity Sensor 4				
High/Low Temp Sensor 5				
High/Low Humidity Sensor 5				
High/Low Temp Sensor 6				
High/Low Humidity Sensor 6				
High/Low Temp Sensor 7				
High/Low Humidity Sensor 7				
High/Low Temp Sensor 8				
High/Low Humidity Sensor 8				
Control Points (Set)				
High/Low Temp Sensor 1				
High/Low Humidity Sensor 1				
High/Low Temp Sensor 2				
High/Low Humidity Sensor 2				
High/Low Temp Sensor 3				
High/Low Humidity Sensor 3				
High/Low Temp Sensor 4				
High/Low Humidity Sensor 4				
High/Low Temp Sensor 5				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Trend Points				
Temp Sensor 1				
Humidity Sensor 1				
Temp Sensor 2				
Humidity Sensor 2				
Temp Sensor 3				
Humidity Sensor 4				
Temp Sensor 4				
Humidity Sensor 4				
Temp Sensor 5				
Humidity Sensor 5				
Temp Sensor 6				
Humidity Sensor 6				
Temp Sensor 7				
Humidity Sensor 7				
Temp Sensor 8				
Humidity Sensor 8				

Water/Liquid Detection Unit LDS5000 – WD5

Hardware Compatibility	
Liebert Units:	LDS5000
SiteScan Interface Modules:	SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Installed Cable Footage 1	40001	1	BS01_x	
Installed Cable Footage 2	40002	2	BS02_x	
Not Used – Spare	40003	3	BS03_x	
Not Used – Spare	40004	4	BS04_x	
Leak Det Footage Cable 1	40005	5	BS05_x	
Leak Det Footage Cable 2	40006	6	BS06_x	
Not Used – Spare	40007	7	BS07_x	
Not Used – Spare	40008	8	BS08_x	
Leakage Current Cable 1	40009	9	BS09_x	
Leakage Current Cable 2	40010	10	BS10_x	
Not Used – Spare	40011	11	BS11_x	
Not Used – Spare	40012	12	BS12_x	
Feet / Meters	40013	13	BS13_x	
Alarm Points				
Communications	40289:00	289:0	BA01_x:00	
Leak Detected Cable 1	40289:01	289:1	BA01_x:01	
Cable Fault Cable 1	40289:02	289:2	BA01_x:02	
Leak Detected Cable 2	40289:03	289:3	BA01_x:03	
Cable Fault Cable 2	40289:04	289:4	BA01_x:04	
Not Used – Spare	40289:05	289:5	BA01_x:05	
Not Used – Spare	40289:06	289:6	BA01_x:06	
Not Used – Spare	40289:07	289:7	BA01_x:07	
Not Used – Spare	40289:08	289:8	BA01_x:08	
Setpoints (View)				
None				
Control Points (Set)				
Alarm Silence				
Alarm Reset				

Universal Monitor – UVM

Hardware Compatibility	
Liebert Units:	Universal Monitor – UVM
SiteScan Interface Modules:	SiteLink (All)
BMS interface Modules:	SiteLink (All)

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
I/O Extender Card Status	40001		BS01_x	
Input Contact #1 Status				
Input Contact #2 Status				
Input Contact #3 Status				
Input Contact #4 Status				
Input Contact #5 Status				
Input Contact #6 Status				
Input Contact #7 Status				
Input Contact #8 Status				
Input Contact #9 Status				
Input Contact #10 Status				
Input Contact #11 Status				
Input Contact #12 Status				
Input Contact #13 Status				
Input Contact #14 Status				
Input Contact #15 Status				
Input Contact #16 Status				
Input Contact #17 Status				
Input Contact #18 Status				
Input Contact #19 Status				
Input Contact #20 Status				
Input Contact #21 Status				
Input Contact #22 Status				
Input Contact #23 Status				
Input Contact #24 Status				
Output Contact #1 Status				
Output Contact #2 Status				
Output Contact #3 Status				
Output Contact #4 Status				
Output Contact #5 Status				
Output Contact #6 Status				
Output Contact #7 Status				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Output Contact #8 Status				
Output Contact #9 Status				
Output Contact #10 Status				
Output Contact #11 Status				
Output Contact #12 Status				
Output Contact #13 Status				
Output Contact #14 Status				
Output Contact #15 Status				
Output Contact #16 Status				
Sensor #1 High Status				
Sensor #1 Low Status				
Sensor #2 High Status				
Sensor #2 Low Status				
Sensor #3 High Status				
Sensor #3 Low Status				
Sensor #4 High Status				
Sensor #4 Low Status				
Sensor #1 Reading	40002		BS02_x	
Sensor #2 Reading	40003		BS03_x	
Sensor #3 Reading	40004		BS04_x	
Sensor #4 Reading	40005		BS05_x	
Alarm Points				
Input #1 Alarm	40289:00		BA01_x:00	
Input #2 Alarm	40289:01		BA01_x:01	
Input #3 Alarm	40289:02		BA01_x:02	
Input #4 Alarm	40289:03		BA01_x:03	
Input #5 Alarm	40289:04		BA01_x:04	
Input #6 Alarm	40289:05		BA01_x:05	
Input #7 Alarm	40289:06		BA01_x:06	
Input #8 Alarm	40289:07		BA01_x:07	
Input #9 Alarm	40289:08		BA01_x:08	
Input #10 Alarm	40289:09		BA01_x:09	
Input #11 Alarm	40289:10		BA01_x:10	
Input #12 Alarm	40290:00		BA02_x:00	
Input #13 Alarm	40290:01		BA02_x:01	
Input #14 Alarm	40290:02		BA02_x:02	
Input #15 Alarm	40290:03		BA02_x:03	
Input #16 Alarm	40290:04		BA02_x:04	
Input #17 Alarm	40290:05		BA02_x:05	
Input #18 Alarm	40290:06		BA02_x:06	

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Input #19 Alarm	40290:07		BA02_x:07	
Input #20 Alarm	40290:08		BA02_x:08	
Input #21 Alarm	40290:09		BA02_x:09	
Input #22 Alarm	40290:10		BA02_x:10	
Input #23 Alarm	40291:00		BA03_x:00	
Input #24 Alarm	40291:01		BA03_x:01	
Sensor #1 High Alarm	40291:02		BA03_x:02	
Sensor #1 Low Alarm	40291:03		BA03_x:03	
Sensor #2 High Alarm	40291:04		BA03_x:04	
Sensor #2 Low Alarm	40291:05		BA03_x:05	
Sensor #3 High Alarm	40291:06		BA03_x:06	
Sensor #3 Low Alarm	40291:07		BA03_x:07	
Sensor #4 High Alarm	40291:08		BA03_x:08	
Sensor #4 Low Alarm	40291:09		BA03_x:09	
Loss of Power	40291:10		BA03_x:10	
Low Battery Alarm	40292:00		BA04_x:00	
Battery Unplugged	40292:01		BA04_x:01	
Check Battery	40292:02		BA04_x:02	
Exp board loss of comm	40292:03		BA04_x:03	
Configuration Changed	40292:04		BA04_x:04	
Loss of Comm	40292:05		BA04_x:05	
Setpoints (View)				
Sensor #1 High Threshold SP	40006		BS06_x	
Sensor #1 Low Threshold SP	40007		BS07_x	
Sensor #2 High Threshold SP	40008		BS08_x	
Sensor #2 Low Threshold SP	40009		BS09_x	
Sensor #3 High Threshold SP	40010		BS10_x	
Sensor #3 Low Threshold SP	40011		BS11_x	
Sensor #4 High Threshold SP	40012		BS12_x	
Sensor #4 Low Threshold SP	40013		BS13_x	
Control Points (Set)				
Sensor High Threshold				Sensors 1-4
Sensor Low Threshold				Sensors 1-4
Alarm Silence				
Alarm Reset				
Trendable Points (Set)				
Sensor Readings				Sensors 1-4

Autochangeover Controller – AC8

Hardware Compatibility	
Liebert Units:	Autochangeover Controller – AC8
SiteScan Interface Modules:	SiteLink-4, SiteLink-12, SiteLink-E series
BMS interface Modules:	SiteLink-4, SiteLink-12, SiteLink-E series

Available Points

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Status Points (View)				
Output #1 Status	40001		BS01_x	0=Off, 1=On, 2=Forced Off, 3=Forced On, 4=Hardware On
Output #2 Status	40002		BS02_x	
Output #3 Status	40003		BS03_x	
Output #4 Status	40004		BS04_x	
Output #5 Status	40005		BS05_x	
Output #6 Status	40006		BS06_x	
Output #7 Status	40007		BS07_x	
Output #8 Status	40008		BS08_x	
Device #1 Status	40009		BS09_x	30=Not Used, 31=Operating, 32=Standby, 33=Pending, 34=Forced On, 35=Forced Off, 36=Hardware On, 37=Alarm, 38=Event
Device #2 Status	40010		BS10_x	
Device #3 Status	40011		BS11_x	
Device #4 Status	40012		BS12_x	
Device #5 Status	40013		BS13_x	
Device #6 Status	40014		BS14_x	
Device #7 Status	40015		BS15_x	
Device #8 Status	40016		BS16_x	
Temp. Sensor #1 Reading	40017		BS17_x	Modbus Format – Signed Integer
Temp. Sensor #2 Reading	40018		BS18_x	
Temp. Sensor #3 Reading	40019		BS19_x	
Temp. Sensor #4 Reading	40020		BS20_x	
Control Points (Set)				
Enable Date & Time Sync				
Output #1				Force On, Force Off, Return to Normal
Output #2				
Output #3				
Output #4				
Output #5				
Output #6				
Output #7				
Output #8				

SiteScan Availability	Modbus Register	BACnet Instance (Exec. 6 Modules)	BACnet Instance (Exec. B Modules)	Notes:
Alarm Points				
Loss Of Comm.	40289:00		BA01_x:00	Note: Discrete BACnet objects available using auto-discover
Input #1 Alarm	40289:01		BA01_x:01	
Input #2 Alarm	40289:02		BA01_x:02	
Input #3 Alarm	40289:03		BA01_x:03	
Input #4 Alarm	40289:04		BA01_x:04	
Input #5 Alarm	40289:05		BA01_x:05	
Input #6 Alarm	40289:06		BA01_x:06	
Input #7 Alarm	40289:07		BA01_x:07	
Input #8 Alarm	40289:08		BA01_x:08	
Sensor #1 High Alarm	40289:09		BA01_x:09	
Sensor #2 High Alarm	40289:10		BA01_x:10	
Sensor #2 Low Alarm	40289:11		BA01_x:11	
Sensor #3 High Alarm	40289:12		BA01_x:12	
Sensor #3 Low Alarm	40289:13		BA01_x:13	
Sensor #4 High Alarm	40289:14		BA01_x:14	
Sensor #4 Low Alarm	40289:15		BA01_x:15	
Loss of Power	40290:00		BA02_x:00	
Low Battery Alarm	40290:01		BA02_x:01	
Battery Unplugged	40290:02		BA02_x:02	
Check Battery	40290:03		BA02_x:03	
Emergency Power Op	40290:04		BA02_x:04	
Configuration Changed	40290:05		BA02_x:05	
Common Alarm	40290:06		BA02_x:06	
Trendable points (Set)				
Sensor #1				
Sensor #2				
Sensor #3				
Sensor #4				